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Government of West Bengal

Directorate of Health Services

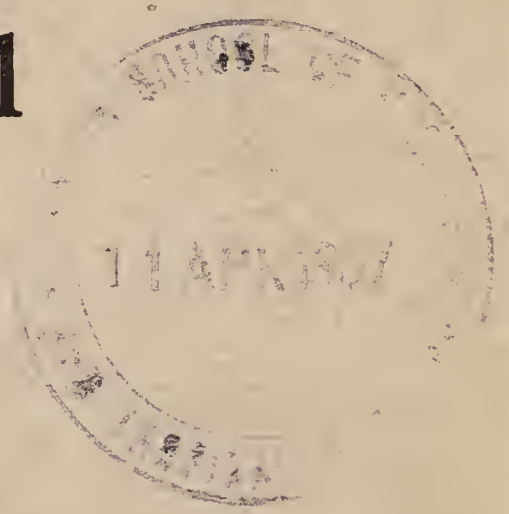
Annual Report on the  
Health of the Population of  
West Bengal

For the Year  
1952

By

B. C. Das Gupta

*Director of Health Services, West Bengal*



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# Annual Report on the Health of the Population of West Bengal

For the Year  
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## Preface

On the eve of the introduction of the passport and visa system on 15th October 1952 for travels between two Bengals, there was again a large influx of refugees from East Bengal.

The situation was once more rendered quite favourable for outbreaks of epidemic diseases. But the Medical and Public Health staff of the State with experience gained during the mass scale influx of 1950, kept the situation under control. The occurrence of cholera was on a low level and smallpox showed a very appreciable drop from 1.1 to 0.1 per mile.

In the following paragraphs a brief reference has been made to the health condition of the people of the State as well as to the development and progress in the activities of the State Health Directorate.

Malaria as an endemic disease has been responsible for the largest number of deaths each year in the State. The persistent efforts of the Health Directorate has successfully led to steady decline of malaria mortality from year to year since 1946. Out of every ten thousand population—

- 49 died from malaria in 1946,
- 39 died from malaria in 1947,
- 36 died from malaria in 1948,
- 36 died from malaria in 1949,
- 27 died from malaria in 1950,
- 15 died from malaria in 1951 and only
- 13 died from malaria in 1952.

There was significant improvement in infant mortality rates as well. In 1946 out of every thousand new born, 143 died. Since then there has been a steady decline each year and in 1952 it has come down to 99 per thousand.

In line with the decline in malaria and infant mortality rates, there was decrease in mortality from other principal diseases also, viz., diarrhoea and dysentery, cholera, smallpox, kala-azar and "other fevers".

On the whole, a marked improvement was noticeable in the health condition of the State inspite of the fact that the State was confronted with the sudden influx of the people from East Bengal on a mass scale.

**Districtwise Malaria Control Scheme.**—Anti-malaria campaign by spraying all the houses with residual insecticides on a district basis was first introduced in 1950 in the district of Bankura entirely at the expense of the State. The operations were extended to the district of Birbhum in 1951.

Satisfactory results obtained in these two districts in 1951 encouraged the extension of similar operations to two other districts, viz., Hooghly and Nadia, during the year under report. Thus a total population of 5,089,000 was proetcted in the year.

**B.C.G. Vaccination.**—B.C.G. Vaccination campaign as a preventive measure against tuberculosis was continued with full vigour on a mass scale. During the year under report, a total number of 418,000 persons were examined by Mantoux Test and 132,000 persons were vaccinated with B.C.G. Vaccine. Up to the year 1952, 990,000 persons were tuberculin tested and 310,000 vaccinated with B.C.G.



For medical relief of T.B. patients, the total number of beds available for treatment of T.B. patients was increased from 1,796 in 1951 to 1,905 in 1952.

The number of chest clinics increased to 18 from 15 in 1951 of which 11 were in the metropolis and 8 in the districts.

Domiciliary treatment services for treatment of T.B. patients at home was continued at Calcutta during the year under report.

**Leprosy.**—More leprosy beds were under construction at the State Leprosy Colony, Gauripore. The total bed strength of the colony during the year under report was 212 which was expected to be increased to 312 in the coming year.

Besides, the State paid grants-in-aid of Rs. 245,000 to different leprosy clinics, Homes, hospital, etc., managed by local bodies and private organisations.

**Infectious Diseases Hospital.**—The construction of a permanent Infectious Diseases Hospital at Beliaghata, Calcutta, was well under progress which when completed will relieve the present congestion in the permanent infectious diseases wards at Sir Nilratan Sircar Hospital, Calcutta.

**Medical and Public Health measures in Refugee Camps.**—Besides maintenance of 52 medical-cum-public health centres to carry out measures on public health and medical relief at different refugee camps and colonies, the State maintained 13 Relief Camp Hospitals and 14 Relief Dispensaries. All these were meant exclusively for the treatment (curative and preventive) of the displaced persons from East Bengal.

**Health Centres.**—In pursuit of the policy to provide each union and each thana with a Health centre, a number of new Health Centres were opened during the year report. During 1952-53, 46 Health Centres—9 Thana Health Centres and 37 Union Health Centres, were opened with 768 beds. This raised the total to 146 Health Centres—20 Thana and 126 Union Health Centres with a total number of 1,912 beds up to 1952-53 in the rural areas of the State.

**Nursing.**—Improvement in the nursing condition has been engaging the serious attention of the State. Careful steps were taken for selection of suitable candidates to be sent up for nursing training or midwifery training. A few selected nurses were undergoing higher course of nursing at the College of Nursing, New Delhi and Madras, with the State scholarship awarded to each. In regard to quantity also the total number of nursing personnel employed in the State of West Bengal came up to 3,000 in 1952 as against 2,000 in 1951.

**Sanitation and water-supply.**—Improvements were also effected in water-supply and sanitary arrangements. Schemes at a total expenditure of Rs. 53,19,000 were executed in different municipalities, Health centres, Kalyani Development area, etc., under the supervision of the Public Health Engineering staff.

Besides above, exclusively for rural areas, a sum of twenty lakhs of rupees was spent for sinking, re-sinking and repairs to masonry and tube-wells.

B. C. DAS GUPTA,

*Director of Health Services, West Bengal.*

CALCUTTA,

*The 29th November 1954.*



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# Annual Report on the Health of the Population of the State of West Bengal for 1952

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During the last few years there had been a gradual improvement in the public health condition of the State of West Bengal. The improvement was evident in the steady rise of birth rate and in the decline of death rate. The mortality from principal diseases also manifested a progressive decline.

From the comparative statement of vital statistics of West Bengal furnished below it may be seen that the birth rate gradually rose from 20·1 in 1947 to 23·1 per mille of population in 1952. The death rate on the other hand, had a steady decline, year to year, from 18·2 in 1947 to 10·8 per mille in 1952. This has left a positive balance-excess of births over deaths—from 1·9 in 1947 to 12·3 per mille of population in 1952.

The infant mortality rate which by itself indicates the overall health condition of a place had shown a very encouraging improvement. From 144·8 deaths per thousand live-births in 1947, it has improved to 99·6 deaths in 1952.

The death rate from cholera remained at the low level of 0·2 per mille but smallpox was really on the wane—death rate having fallen from 1·1 per mille in 1951 to 0·1 per mille during the year.

The vast improvement in the incidence of malaria in the State would be evident from the statement given below. Malaria which once took a toll of one lakh lives was only responsible for 31,510 deaths during the year under report:—

	1946	1947	1948	1949	1950	1951	1952
Malaria death	1,03,339	82,539	76,576	77,406	57,973	36,294	31,510
Malaria death rate per mille of population.	4·9	3·9	3·6	3·6	2·7	1·5	1·3

Deaths from “Other Fevers” showed also a steady decline year to year—from 5·4 in 1947 to 3·1 per mille of population in 1952.



## A Comparative Statement of Vital Statistics of West Bengal for the years 1946 to 1952.

[illegible]

## Chapter I

### A NOTE ON MORTALITY FROM DIFFERENT DISEASES.

**Cholera.**—During the year under report 6,057 deaths from cholera with a death rate of 0·24 per mille were recorded in the State of West Bengal as against 5,676 with a rate of ·23 per mille in the previous year. There was an increase of 7 per cent. in the cholera mortality figures in 1952. The increase was recorded in the rural areas only while in the urban areas, the death figures showed a decrease of 10 per cent. The cholera mortality figures in the urban and rural areas in 1952 as compared with those of 1951 are furnished below:—

Deaths from cholera.	Urban areas.		Rural areas.	
	1951	1952	1951	1952
Number ..	2,590	2,354	3,086	3,703
Rates ..	0·5	0·4	0·02	0·2

The district of Howrah recorded highest death rate of 0·6 per mille followed by Calcutta (·5) and 24-Parganas (0·4) and the lowest death rate (·01 per mille) was returned by the Darjeeling district. As in the previous year the district of Jalpaiguri did not record any death from this cause.

**Seasonal incidence.**—As in the previous year, in 1952, the highest deaths were recorded in April and the lowest in September.

**Anti-cholera measures.**—On the eve of introduction of passport system between the two Bengals on the midnight of the 15th October 1952, there was heavy influx of displaced persons from East Bengal extensively on wide scale crossing the border into West Bengal on all fronts in thousands. With previous experience gained beforehand out of the “1950” influx, the Medical and Public Health staff of the Health Directorate were immediately mobilised on all concentration centres and with no loss of time they took all possible measures against outbreaks of epidemic diseases and treated different cases of ailments amongst the displaced persons. So grave as the situation was, an widespread outbreak of epidemic diseases was apprehended throughout the State but due to the prompt and speedy action taken by the staff, it could be averted. Fortunately outbreaks of cholera and smallpox were checked at the start and there were occurrences of cholera at a low level and smallpox showed considerable decrease when compared to the preceding year.

New camps had to be opened to receive and accommodate them. The total number of refugee camps maintained by the State during the year under report was 38.

A statement showing work done in these camps is furnished below:—

*For 1952.*

(i) Number of anti-cholera inoculation performed	..	256,753
(ii) Number of anti-smallpox vaccination performed	..	250,983
(iii) Number of patients treated	.. ..	675,787
(iv) Number of maternity cases treated	.. ..	695



*Staff maintained in these camps in 1952.*

(i) Supervising Medical Officer (gazetted) for Ranaghat Coopers Camp	..	..	..	1
(ii) Camp Health Officer (gazetted) for Dhubulia Camp	..			1
(iii) Epidemic Doctors	..	..	..	45
(iv) Compounders	..	..	..	15
(v) Sanitary Inspectors	..	..	..	21
(vi) Health Assistants	..	..	..	73
(vii) Disinfectors	..	..	..	45

Besides the above staff exclusively for refugee camps the Government maintained 206 mobile medical units and 430 Health Assistants posted in different parts of the State. They worked under the respective Subdivisional Health Officers and in close collaboration with the district Public Health staff maintained by local bodies. In Cooch-Behar district, the whole Medical and Public Health organisation including maintenance of rural health circles—10 in number was run entirely at the cost of the Government. To control and supervise the activities of the Public Health staff, the State maintained a fully qualified District Health Officer. In Cooch Behar district which merged in West Bengal during 1950, no district board has yet been constituted.

A total quantity of 3,456,110 c.c. of anti-cholera vaccine was supplied free to local bodies, Civil Surgeons, Subdivisional Health Officers, Asansol Mines Board of Health, and others.

In all 3,057,438 anti-cholera inoculations were performed during the year under report.

Temporary cholera regulations under the Epidemic Diseases Act, 1897, were promulgated in the following districts and municipalities:—

*Districts.**Municipalities.*

- (1) West Dinajpur.
- (2) 24-Parganas.
- (3) Howrah.
- (4) Hooghly.
- (5) Nadia.
- (6) Midnapore.
- (7) Malda.

- (1) Howrah.
- (2) Old Malda.
- (3) English Bazar.
- (4) Calcutta Corporation.

**Smallpox.**—Altogether 3,574 deaths with death rate of 0·1 per mille from smallpox were recorded in 1952 as against 26,888 with a death rate of 1·1 in the previous year. Thus there was a remarkable decrease of 86 per cent. in the smallpox mortality figures in 1952 as compared with those of 1951 and this decrease was recorded both in the urban and rural areas.

The mortality figures for urban and rural areas as compared with those of the previous year are furnished below:—

## Deaths from small-pox.

	Urban.		Rural.	
	Number.	Rate per mille.	Number.	Rate per mille.
1951	.. 10,976	1·9	15,912	0·9
1952	.. 530	0·1	3,044	0·2



**Smallpox deaths by ages.**—Out of the total deaths due to smallpox 7·2 per cent. occurred amongst infants under one year of age and 22·4 per cent. amongst children between one and ten years of age.

Compared with the previous year, the death rate in 1952 due to this cause was low in all the districts.

The highest death rate (·5) was recorded in the Birbhum district and the lowest (·01) in the Darjeeling district.

**Seasonal Incidence.**—Highest deaths were recorded in the month of March and the lowest in the month of September.

The Government Epidemic staff worked along with the local Public Health staff in carrying out in anti-smallpox measures. In all 7,165,050 vaccinations were performed the details of which are furnished below:—

Vaccination performed.

	1952.		1951.	
	Operations performed.		Operations performed.	
	Total.	Success-ful.	Total.	Success-ful.
Primary vaccination	.. 829,291	693,982	1,173,856	926,255
Re-vaccination	.. 67,02,899	27,44,639	8,293,867	2,930,753
Total	.. 75,32,190	34,38,621	9,467,723	3,857,008

A total quantity of 213,877 c.c. of vaccine lymph were supplied free to local bodies, Civil Surgeons, Subdivisional Health Officers and others.

Temporary small-pox regulations under the Indian Epidemic Diseases Act, 1897, were in force in the following districts and municipalities:—

<i>District</i>	<i>Municipality.</i>
(1) West Dinajpur.	(1) Calcutta.
(2) Murshidabad.	
(3) 24-Parganas.	
(4) Howrah.	
(5) Hooghly.	
(6) Nadia.	
(7) Midnapore.	

**Plague.**—The year 1952 was the fifth year since the re-appearance of plague in Calcutta in 1948.

Altogether 16 deaths from plague were recorded in the State in 1952 against 8 in 1951, 3 in 1950, 52 in 1949 and 15 in 1948.

In all 66 cases suspected to be suffering from plague were reported during the year under review. Of these 66 cases, 65 cases were admitted into the Sir Nilratan Sircar Medical College Hospital and one to the Howrah General Hospital. Out of 66 cases admitted into the hospitals, 56 cases were reported from Calcutta, 9 cases from the Howrah Municipal area and one case from Bally, just adjoining Howrah municipal area. Of these, 38 cases were found to be bacteriologically positive and one case was clinically diagnosed as plague. The remaining 27

cases were declared as non-plague. Of 39 plague cases diagnosed as plague, 15 succumbed to the disease giving a mortality rate of 38·4 per cent.—12 of them belonged to Calcutta and 3 to Howrah. All these cases reported during the year were indigenous cases. Only one case from Cossipore (Calcutta Ward No. 32) came to the notice immediately after death on 17th February 1952. He was not admitted to any hospital but was treated by a medical practitioner in the house of the patient. Gland puncture fluid was taken from the enlarged cervical gland and p.pestis was found from the smear as well as from culture. This raised the total number of deaths from plague from 15 to 16.

**Seasonal incidence.**—A table showing the incidence of the disease by month is given below:—

		Total suspected case admit- ted.	Positive cases.	Death.	Non- plague.
1952.					
January	..	1	1	..	..
February	..	10	6	2	4
March	..	13	11	4	2
April	..	24	13	5	11
May	..	14	8	4	6
June	..	2	..	..	2
October	..	1	..	..	1
November	..	1	..	..	1
		<hr/> 66	<hr/> 39	<hr/> 15	<hr/> 27

The disease rose to its peak during the month of April and declined in June.

*Type of plague.*—All the plague cases recorded during the year under review were of bubonic type. The glandular involvements were as follows:—

Inguinal and femoral gland	...	...	30
Axillary gland	...	..	2
Cervical gland	...	...	1
Gland of multiple regions	...	...	6
			<hr/> 39

The incidence of the disease for the last five years is shown in the table below:—

		1948.	1949.	1950.	1951.	1952.
Total number of cases	..	157	399	5	17	39

*Distribution of the cases by places.*

		1948.	1949.	1950.	1951.	1952.
(1) Calcutta	..	142	322	4	14	33
(2) Howrah	..	3	38	1	Nil	6
(3) Suburban area	..	12	39	Nil	3	Nil
		<hr/> 157	<hr/> 399	<hr/> 5	<hr/> 17	<hr/> 39



**Anti-plague measures**—(1) Areas affected.—Cases of plague were reported from Calcutta and Howrah. Wards Nos. 5, 8, 10, 25 and 32 of Calcutta and No. 1 of Howrah were the worst affected areas. No case was, however, reported from Ward No. 7 of Calcutta which was one of the worst areas in the previous years.

(2) *Inoculation and Disinfestation*.—Altogether 145,927 persons in Calcutta, 29,693 in Howrah and 1,176 in suburban areas were inoculated during the year against 149,944 in Calcutta, 41,899 in Howrah and 3,553 in suburban areas in the previous year. Disinfestation operation was carried in 8,461 premises in Calcutta, 2,450 in Howrah and 33 in Bally. Besides these, 18,889 rat burrows in Calcutta, 3,850 in Howrah and 47 in Bally were insufflated with D.D.T. (dust) 10 per cent. during the year.

(3) *Destruction of rats*.—Destruction of rats was done by application of cyanogas direct in rat-burrows, by use of poison baits and by trapping in houses and godowns—

(a) *Cyanogas operation*.—Altogether 250,283 rat-burrows and 672 dunnages were fumigated and 41,956 cyanogassed rats were collected and 3,569 lb. of cyanogas “A” dust were used during the year.

(b) *Collection of rats by trapping*.—Altogether 121,401 traps were placed in 64,799 premises in Calcutta and 15,710 traps in 7,514 houses in Howrah. The number of rats caught in traps was 32,253 in Calcutta, 1,707 in Howrah and 23 in Bally.

(c) *Laboratory activities*.—During the year under report, 68,089 rodents were received at the Laboratory 58,467 from Calcutta and 9,622 from Howrah and its adjoining areas. Out of these, 17 rats were found on examination to be infected with plague—14 from Calcutta and 3 from Howrah, comprising the types of rats—*Gunomys Varius*, *Rattas norvegicus*, *Rattas Rattas* and *Bondicoota indica*.

(d) *Fleas*.—Altogether 21,359 fleas were examined at the laboratory, out of which 20,063 were collected from Calcutta and 1,296 from Howrah and Bally areas. Fleas collected from Calcutta were 4,502 *X. Cheopis* and 15,561 *X. astia* and that from Howrah and Bally areas were 229 *X. Cheopis* and 1,067 *X. astia*.

Besides the routine work stated above, the following research and inquiries were taken in hand during the year under review:—

- (i) Immunity quantum of indigenous rats of Calcutta.
- (ii) Meteorological study in relation to incidence of plague in Calcutta.
- (iii) Comparative study of the effect of D.D.T. and cyanogas on flea index in isolated areas.

Of them, a brief mention may be made on meteorological study in relation to incidence of plague in Calcutta.

It is a well-known fact that the plague season differs from country to country and from region to region in a vast country like India and the object of undertaking the study is to determine, if possible, the combination of the meteorological conditions which usually mark the approach and decline of the plague season for Calcutta.



With this end in view, a record of the following factors is being studied from day to day since 1949:—

- (1) Maximum temperature,
- (2) Minimum temperature,
- (3) Mean Humidity,
- (4) Rainfall.

The observation pursued during the year under report tends to indicate combination of the following:—

(a) Mean temperature	..	71-F	} Indicated the approach of plague season.
(b) Mean humidity	..	72%	
(c) Rainfall	..	Nil	

(a) Mean temperature	..	88 F	} Indicated decline.
(b) Mean humidity	..	73%	
(c) Rainfall	..	0.1'' per day on average.	

**Fevers.**—A total of 113,691 death from fevers with a rate 4.6 per mille were recorded in the State of West Bengal during 1952 as against 130,944 deaths with a rate of 5.4 per mille in the previous year; thus yielding a decrease of 13.2 per cent. over the figures of 1951.

The district of West Dinajpur recorded highest death rate (8.2) per mille due to fevers followed by Birbhum district (8.1) while the lowest rate (1.3) was returned by Calcutta district.

**Malaria.**—Malaria alone was responsible for 28 per cent. of total deaths from the diseases under fever groups and 14 per cent. of total deaths from all causes. Details of deaths from malaria by urban and rural areas as compared with those of 1951 are shown as under:—

#### Deaths from Malaria.

		State.		Rural.		Urban.	
		Number.	Rates.	Number.	Rates.	Number.	Rates.
1952	..	31,510	1.3	29,747	1.6	1,763	0.3
1951	..	36,294	1.5	34,258	1.9	2,036	0.4

The table below will show the distribution of malaria deaths by months and districts during 1952.

**Deaths registered from Malaria in the districts of west Bengal during each month of the year 1952.**

Districts.	Janu-ary.	Febru-ary.	March.	April.	May.	June.	July.	August.	Septem-ber.	Octo-ber.
(1) Burdwan ..	291	231	224	208	234	190	174	273	289	362
(2) Birbhum ..	162	129	135	90	100	81	75	132	153	103
(3) Bankura ..	123	121	120	84	110	75	90	133	140	144
(4) Midnapore	544	537	416	396	309	282	283	500	544	597
(5) Hooghly ..	159	123	137	132	95	84	80	97	159	152
(6) Howrah ..	65	77	70	39	75	53	38	55	57	67
(7) 24-Parganas	408	347	274	223	230	212	184	236	267	392
(8) Calcutta ..	79	59	58	72	59	60	66	80	65	106
(9) Nadia ..	311	277	293	326	217	191	211	261	256	373
(10) Murshidabad	241	176	221	224	173	213	201	211	181	275
(11) West Dinaj-pur.	79	51	67	94	103	125	125	195	139	184
(12) Jalpaiguri	139	98	121	163	236	227	210	239	223	217
(13) Darjeeling	37	45	57	91	99	60	82	86	90	112
(14) Malda ..	153	148	180	134	111	115	109	150	134	224
Total ..	2,791	2,419	2,373	2,276	2,151	1,968	1,928	2,643	2,608	3,313

Districts.	Novem-ber.	Decem-ber.	Total.			Ratio of deaths per 1,000 of population.			Mean ratio per 1,000 during 5 years.
			Males.	Female.	Total.	Male.	Female.	Total.	
(1) Burdwan ..	468	449	1,675	1,718	3,393	1.4	1.6	1.5	3.3
(2) Birbhum ..	123	133	709	712	1,421	1.3	1.3	1.3	8.3
(3) Bankura ..	101	92	677	656	1,333	1.0	1.0	1.0	3.2
(4) Midnapore	594	584	2,663	2,834	5,497	1.5	1.7	1.6	3.0
(5) Hooghly ..	125	142	753	732	1,485	.9	1.0	.9	2.5
(6) Howrah ..	104	94	466	328	794	.5	.5	.5	1.5
(7) 24-Parganas	348	421	1,934	1,608	3,542	.8	.8	.8	1.3
(8) Calcutta ..	89	62	501	354	855	.3	.4	.3	.6
(9) Nadia ..	411	427	1,879	1,675	3,554	3.1	3.0	3.1	8.3
(10) Murshidabad	299	343	1,500	1,258	2,758	1.7	1.5	1.6	4.7
(11) West Dinaj-pur.	184	390	904	832	1,736	2.3	2.4	2.4	3.2
(12) Jalpaiguri	215	172	1,213	1,047	2,260	2.4	2.5	2.4	4.0
(13) Darjeeling	69	91	559	360	919	2.3	1.7	2.0	3.9
(14) Malda ..	197	308	1,060	903	1,963	2.2	1.9	2.1	4.1
Total ..	3,327	3,708	16,493	15,017	31,510	1.3	1.3	1.3	3.1



The highest death rate (3·1) from this cause was recorded by the Nadia district while the lowest rate (·3) was returned by Calcutta.

Deaths from several diseases (excepting malaria) under the fever groups recorded in the State during 1952 as compared with those of 1951 are shown in the table below:—

				Deaths.		Rates per mille.	
				1952.	1951.	1952.	1951.
Kala-azar	..	..	..	1,128	1,476	·05	·06
Enteric fever	..	..	..	2,844	3,572	·1	·1
Influenza	..	..	..	319	289	·01	·01
Measles	..	..	..	602	1,640	·02	·07
Cerebrospinal fever	..	..	..	327	341	·01	·01
Black water fever	..	..	..	27	29	·001	·001
Typhus fever	..	..	..	4	20	·0002	·0008
Relapsing fever	..	..	..	7	13	·0003	·0005
Other fevers	..	..	..	76,923	87,270	3·1	3·6

**Dysentery and Diarrhoea.**—During 1952, these two causes were responsible for 16,148 deaths in the State against 18,494 deaths in 1951; the death rates being 0·7 and 0·8 per mille, respectively. Details of mortality figures due to these two causes for 1952 as compared with those of 1951 are shown below:—

	1952.						1951.				Total.	
	Urban.		Rural.		Total.		Urban.		Rural.		Deaths.	Rates.
	Deaths.	Rates.	Deaths.	Rates.	Deaths.	Rates.	Deaths.	Rates.	Deaths.	Rates.		
Dysentery	4,788	0·8	2,940	0·2	7,728	0·3	5,783	1·0	3,771	0·2	9,554	0·4
Diarrhoea	3,177	0·6	5,243	0·3	8,420	0·3	3,242	0·6	5,698	0·3	8,940	0·4
Total ..	7,965	1·4	8,183	0·4	16,148	0·7	9,025	1·6	9,469	0·5	18,494	0·8

The above table shows that both diarrhoea and dysentery were more prevalent in the urban areas than in the rural areas and death figures due to these two causes in 1952 were low as compared with those of 1951.

**Respiratory Diseases.**—30,311 deaths from respiratory diseases were recorded in 1952 as against 31,857, in 1951 the death rates being 1·2 and 1·3 per mille, respectively.

Highest death rates from respiratory diseases were returned by the city of Calcutta (3·7) followed by the district of Jalpaiguri (3·2) while the lowest rate (·2) was recorded by the Murshidabad district.



# Specification of deaths due to diseases under the respiratory group for 1952 and 1951.

		Deaths.		Rates.		Percentage to total deaths.	
		1952.	1951.	1952.	1951.	1952.	1951.
Pneumonia	..	12,756	14,614	0·5	0·6	42	46
Pulmonary Tuberculosis	..	8,420	7,837	0·3	0·3	28	24
Whooping cough	..	534	578	0·02	0·02	2	2
Other respiratory diseases		8,601	8,828	0·4	0·4	28	28
Total of respiratory diseases		30,311	31,857	1·2	1·3	100	100

The above table will show that pneumonia and tuberculosis of lungs were responsible for 42 and 28 per cent. of the total deaths due to respiratory diseases in 1952 as against 46 and 24 per cent. in the previous year. Compared with the previous year, pneumonia thus shows a decrease while pulmonary tuberculosis recorded a slight increase in 1952. Deaths from pneumonia as distributed according to areas are shown below :—

			1952.		1951.	
			Number.	Rates.	Number.	Rates.
Urban	..	..	5,127	·9	5,606	1·0
Rural	..	..	7,629	·4	9,008	0·5
State	..	..	12,756	0·5	14,614	0·6

Pulmonary tuberculosis was responsible for 8,420 deaths in 1952 against 7,837 in the previous year. The death rates were 0·3 per mille for both the years. The death rates in the urban and rural areas were 0·8 and 0·2 per mille respectively, as against 0·7 and 0·2 in the previous year.

Deaths from tuberculosis of lungs in urban and rural areas of West Bengal from 1949 to 1952 are shown below :—

Years.	Calcutta.		Other Munici- palities.		Rural areas.		Total for the State.		
	Deaths.	Rates.	Deaths.	Rates.	Deaths.	Rates.	Deaths.	Rates.	
1949	..	2,689	1·3	1,345	0·6	3,950	0·2	7,984	0·4
1950	..	2,705	1·3	1,159	0·5	3,857	0·2	7,721	0·4
1951	..	2,847	1·1	1,259	0·4	3,731	0·2	7,837	0·3
1952	..	3,024	1·2	1,480	0·5	3,916	0·2	8,420	0·3

\*Low death rates in 1951 and 1952 are due to adoption of 1951 census as base for estimation of population

**B.C.G. Vaccination.**—Preventive B.C.G. vaccination campaign started by the State Government in collaboration with the I.T.C./U.N.I.C.E.F. and the Government of India in April, 1949 was continued during the year under review.

Four B.C.G. vaccination teams (each with one Medical Officer and six Technicians and one peon) carried out Mass B.C.G. vaccination campaign in the district of Hooghly. Two other Teams (each with one Medical Officer, two assistants and one peon) worked in schools, factories, refugee camps. Besides these, two part-time Medical Officers (each with an assistant and a peon) attended the B.C.G. clinic at the All-India Institute of Hygiene and Public Health, and four maternity home and hospitals at Calcutta during the year under review.

A total number of 418,238 persons were examined by Mantoux Test and 131,952 non-reactors were vaccinated with B.C.G. vaccine during the year, 1952.

**Institutional treatment facilities for T.B. patients in the State.**—This has been narrated under “Medical Relief”—Chapter VI.

Table below will show the numbers of deaths from various types of injuries during 1951 and 1952:—

Causes.				Number of deaths.	
				1952.	1951.
Homicide	..	..	..	264	254
Suicide	..	..	..	1,271	1,228
Wounds and accidents	..	..	..	4,164	4,173
Snake bites	..	..	..	1,471	1,453
Attacks of wild animals		..	..	93	107
Rabies	..	..	..	127	118
Total				7,372	7,333

Deaths due to wounds and accident and attacks of wild animals showed a decrease and deaths due to remaining causes showed an increase in 1952 when compared with 1951.

**All other causes.**—Number of deaths from all other causes recorded in 1952 was 88,277 against 93,024 in the previous year, the death rates being 3.6 and 3.8 per mille, respectively.



## Chapter II

### VITAL STATISTICS.

**Area and population.**—There was no change in the area of the State of West Bengal during the year under report. According to the Census of 1951 the area in square miles and population of the State were 31,004 and 24,810,308 respectively.

The district of Cooch Behar excluding the Cooch Behar town and the following areas of Calcutta, viz., Port, Fort, Cananl and Maidan were not within the purview of any Births and Deaths Registration Act. The area and population of the State under registration as per Census of 1951 were 29,676 square miles and 24,144,636 persons respectively.

Vital and population statistics as shown in the report, if not otherwise indicated relate only to the areas under registration of Births and Deaths.

**Estimated mid-year population.**—Estimated mid-year population for 1952 by districts as compared with those of 1951 are shown in the table below. The table will show that there was an increase of 1.1 per cent. in population of West Bengal during 1952 over the figures of 1951 and such increase was shared by all the districts; the maximum increase (1.8 per cent.) being recorded by the Murshidabad district followed by the Bankura district (1.7 per cent.).

#### Estimated mid-year population for 1952 as compared with those of 1951 by district of West Bengal.

Districts.	Estimated population for.		Percentage variation.
	1952.	1951.	
1. Burdwan ..	2,222,870	2,198,415	+1.1
2. Birbhum ..	1,088,746	1,071,625	+1.6
3. Bankura ..	1,347,534	1,325,101	+1.7
4. Midnapore ..	3,429,839	3,375,245	+1.6
5. Hooghly ..	1,575,436	1,558,550	+1.1
6. Howrah ..	1,619,867	1,612,384	+0.5
7. 24-Parganas ..	4,649,183	4,617,772	+0.7
8. Calcutta ..	2,568,764	2,548,803	+0.8
9. Nadia ..	1,159,248	1,146,020	+1.2
10. Murshidabad ..	1,752,356	1,721,835	+1.8
11. West Dinajpur ..	727,446	721,548	+0.8
12. Jalpaiguri ..	930,021	917,038	+1.4
13. Darjeeling ..	449,463	445,534	+0.9
14. Malda ..	947,245	938,425	+0.9
<b>Total</b> ..	<b>23,468,018</b>	<b>24,198,295</b>	<b>+1.1</b>



**Estimated mid-year population by communities for 1952 as compared with the population of 1951 are shown below.**

Communities.	Estimated mid-year population.		Percentage variation: increase (+), decrease (-),
	1952.	1951.	
Hindus ..	19,239,999	19,035,544	+1.1
Muslims ..	4,801,622	4,740,826	+1.3
Christians ..	176,006	174,891	+0.6
Buddhists ..	82,211	81,536	+0.8
Others ..	168,180	165,498	+1.6

Estimated mid-year population of towns and rural districts has been shown in annual form No. VI, Appendix I.

**Registration of births and deaths.**—During the year under report, there was no change in the system of registration of births and deaths in the State.

Under the Bengal Births and Deaths Registration Act, 1873, 56 prosecutions were instituted, out of which there were 35 convictions and one acquittal, two cases were struck off and 18 were pending trial. A sum of rupees forty seven only was realised as fine during 1952.

**Chief Vital Statistics.**

*Vital events recorded during the year 1952 in the State of West Bengal as compared with these of 1951.*

**Births.**

	Urban.			Rural.			Total.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Births, 1952 ..	56,559	52,393	108,952	237,590	218,638	456,228	294,149	271,031	565,180
Birth rate per mille ..	9.9	9.2	19.1	12.7	11.7	24.3	12.0	11.1	23.1
Births, 1951 ..	54,610	50,840	105,450	2,21,566	203,853	425,424	276,176	254,698	530,874
Birth rate per mille ..	9.7	9.0	18.7	11.9	11.0	22.9	11.4	10.5	21.9
Percentage increase (+), Decrease (-), over 1951.	} +2.1	+2.1	+2.1	+6.7	+6.4	+6.1	+5.3	+5.7	+5.5

**Deaths.**

	Urban.			Rural.			Total.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	e.	Total.
Deaths, 1952 ..	36,374	30,985	67,359	105,295	92,792	198,087	141,669	123,777	265,446
Death rate per mille ..	10.5	13.8	11.8	10.9	10.2	10.6	10.8	10.9	10.8
Deaths, 1951 ..	43,283	38,182	81,465	122,132	110,621	232,753	165,415	148,803	314,218
Death rate per mille ..	12.6	17.3	14.5	12.7	12.3	12.5	12.7	13.3	13.0
Percentage of increase (+), Decrease (-) in 1952, Over 1951.	-16.7	-20.2	-18.6	-14.2	-17.1	-15.2	-15.0	-18.0	-16.9

**Live-births, deaths, still births and infant mortality with rates by communities for 1952 as compared with those for 1951.**

	Live births.				Deaths.			
	Number.		Rates per mille.		Number.		Rates per mille.	
	1952.	1951.	1952.	1951.	1952.	1951.	1952.	1951.
Hindus ..	447,909	417,038	23·3	21·9	206,432	242,827	10·7	12·7
Muslims ..	107,541	102,240	22·4	21·6	53,870	64,076	11·2	13·5
Buddhists ..	2,004	1,836	24·4	22·5	1,297	1,479	15·8	18·1
Christians ..	2,620	2,233	14·9	12·8	1,425	1,461	8·1	8·4
Others ..	5,106	7,527	30·4	45·5	2,422	4,375	14·4	26·4
Total ..	565,180	530,874	23·1	21·9	265,446	314,218	10·8	13·0

	Still births.				Infant mortality.			
	Number.		Rates per mille of total births.		Number.		Rates per mille of live births.	
	1952.	1951.	1952.	1951.	1952.	1951.	1952.	1951.
Hindus ..	8,677	8,162	19·0	20·3	44,031	45,249	98·3	132·5
Muslims ..	1,971	2,207	18·0	21·1	11,603	12,000	107·9	117·4
Buddhists ..	44	50	21·5	26·5	127	169	63·4	92·0
Christians ..	101	101	37·2	43·3	226	250	86·3	112·0
Others ..	76	80	14·7	10·6	312	472	61·1	62·7
Total ..	10,869	10,600	18·9	19·6	56,299	58,140	99·6	109·6

Altogether 565,180 births (294,149 being males and 271,031 females) were recorded in the State of West Bengal during 1952 against 530,874 births in the previous year. The birth rates were 23·1 and 21·9 per mille for 1952 and 1951 respectively. Thus there was an increase of 5·5 per cent. in birth figures during 1952 over the figures of 1951.

The highest birth rate of 32·8 per mille was recorded by the Birbhum district and the lowest rate (16·0) by the 24-Parganas district.

**Births by communities.**—Compared with the previous year high birth rates were recorded in 1952 by all the communities except other classes which returned the highest birth rate of 30·4 per mille for the year against 45·5 per mille in 1951.

During the year under report 109 births were recorded for every 100 female births recorded in 1952 against the similar figures for the previous year.



**Seasonal incidence.**—Births and birth rates by month for 1952 as compared with those of 1951:—

Months.	Number recorded.		Annual births per mille.	
	1952.	1951.	1952.	1951.
January	41,504	40,754	20·4	20·2
February	39,659	41,080	19·4	20·4
March	46,504	45,980	22·8	22·8
April	46,468	40,717	22·8	20·8
May	48,462	42,862	23·8	21·3
June	44,339	43,919	21·7	21·8
July	42,103	42,835	20·6	21·2
August	47,921	43,267	23·5	21·5
September	44,717	45,107	21·9	22·6
October	55,693	45,294	27·3	22·5
November	55,801	50,690	27·4	25·1
December	52,009	48,369	25·6	24·0

In 1952, the highest birth rate (27·4) was recorded in the month of November and the lowest rate (19·4) in the month of February. Compared with the previous year the birth rate was high during the month of January, April, May, August and last three months of the year and stationary during the month of March and was low during the remaining four months of the year.

**Deaths.**—In 1952, altogether 265,446 deaths with a death rate of 10·8 per mille were recorded in the State of West Bengal against 314,218 deaths with a death rate of 13·0 in the previous year, thus yielding a decrease of 16·9 per cent. in 1952.

One hundred and fourteen male deaths were recorded for every 100 female deaths in 1952 against 111 in the previous year.

The highest death rate (16·5) was recorded in the Jalpaiguri district while the lowest rate (8·0) was recorded in the 24-Parganas district.

The highest death rate of 15·8 per mille was recorded by the Buddhist community and lowest by the Christian. Compared with the previous year the death rates were low for all the communities.

During the year under report the highest death rate (12·7) was recorded in the month of December and the lowest rate (9·1) in the month of June (*vide* Statement III, Appendix I).

**Deaths according to ages.**—The table below will show that the rates were very high amongst the infants and olds above sixty years of age. But it is gratifying to note that compared with the previous year the rates were low in every age groups during 1952 which indicates that the general health condition of the people of the State was much healthier than that in the previous year.

## Deaths according to ages.

	Ages.	Deaths.		Rates per 1,000 population.	
		1952.	1951.	1952.	1951.
0—1	.. ..	56,299	58,140	99·6	109·5
1—5	.. ..	31,797	44,432	14·3	20·1
5—10	.. ..	13,231	19,582	4·7	7·0
10—15	.. ..	7,854	10,807	2·7	3·7
15—20	.. ..	11,774	14,589	4·8	6·0
20—30	.. ..	27,666	32,651	6·1	7·2
30—40	.. ..	25,058	28,754	7·0	8·1
40—50	.. ..	23,188	26,961	9·0	10·6
50—60	.. ..	24,563	27,675	15·8	18·0
Above 60	.. ..	44,016	50,427	34·6	40·0

**Still-births.**—10,869 still-births were recorded in 1952 against 10,600 in the previous year. The still-birth rates per 1,000 of total births (live and still combined) was 18·9 against 19·6 in the previous year, thus showing a decrease of 3·5 per cent.

Calcutta recorded highest still-birth rate (51·0) followed by the Jalpaiguri district (40·0) while the lowest rate was returned by the Nadia district (8·0).

Compared with the previous year the still-birth rate was low for all the communities in 1952 excepting the “other classes”, the highest rate (37·2) being recorded by the Christians and lowest (14·7) by the other classes.

**Infant deaths.**—56,299 infants under one year of age died during 1952 against 58,140 in the previous year. The infant mortality rate was 99·6 per mille of live-births in 1952 against 109·5 in 1951 indicating a decrease of nine per cent.

The distribution of infant deaths according to sex and urban and rural areas for 1952 and compared with 1951 is shown in the table below:—

	Infant deaths.											
	Male.				Female.				Total.			
	Number.		Rates per 1,000 male live births.		Number.		Rates per 1,000 female live births.		Number.		Rates per 1,000 female live births.	
	1952.	1951.	1952.	1951.	1952.	1951.	1952.	1951.	1952.	1951.	1952.	1951.
Urban ..	9,262	9,845	163·8	180·3	7,323	8,673	149·3	170·6	17,085	18,528	156·8	175·6
Rural ..	21,670	21,841	91·2	98·5	17,544	17,761	80·2	87·2	39,214	39,622	86·0	93·1
Total ..	30,932	31,686	105·2	114·7	25,367	26,454	93·6	103·9	56,299	58,140	99·6	109·5



## Distribution of infant deaths according to ages.

Ages.	Infant deaths.		Death rates per 1,000 of live births.	
	1952.	1951.	1952.	1951.
Within 24 hours .. ..	4,433	4,407	7·8	8·3
Between one day and one week ..	12,853	12,504	22·7	23·6
Between one week and one month ..	12,680	12,171	22·4	22·9
Under one month .. ..	29,966	29,082	53·0	54·8
Between one month and three months ..	9,799	9,846	17·3	18·5
Between three months and six months ..	8,120	9,358	14·4	17·6
Between six months and twelve months ..	8,414	9,854	14·9	18·6
Under one year .. ..	56,299	58,140	99·6	109·5

The above table will show that the number of infants died at each age during 1952 was lower than the corresponding figures of 1951 which indicates that the new borns also had better health during the year.

**Maternal deaths.**—3,268 deaths due to maternal causes occurred in 1952 against 3,182 deaths in the previous year. Death rates per 1,000 of total births (live and still) due to these causes was 5·5 in 1952 against 5·9 in 1951 yielding a decrease of 6·8 per cent. in 1952.

## Chapter III

### MALARIA AND KALA-AZAR.

#### (A) Malaria.

Incidence of malaria was normal throughout the year under review except the usual seasonal variations. Free distribution of anti-malaria drugs was intensified on reports of localised increase in the incidence of malaria.

As usual anti-malaria drugs were allotted to different districts for free distribution through various agencies, viz., district boards, Civil Surgeons, Sub-divisional Health Officers and others.

The State continued payment of grants-in-aid to the extent of 50 per cent. of the total estimated expenditure to certain municipalities who agreed to carry out anti-malaria measures in their respective areas.

Local effort for anti-malaria measures by spraying residual insecticides through volunteers amongst the villagers on co-operative basis in the rural areas was encouraged in 53 villages of eight districts.

Besides districtwise malaria control schemes and malaria control in the Fringe Area of Salt Water Lakes under Development Programme, three schemes, (i) malaria control operations in Burdwan Civil Station, (ii) the Rural Health Unit and Training Centre, Singur and (iii) A. Ludlowii Control measures at Budge Budge in the district of 24-Parganas were undertaken directly by Government during the year under review.

A. Ludlowii Survey was carried out as usual around Eastern Fringes of the Salt Lake area of the city of Calcutta and the Suburban areas.

To protect the city of Calcutta and its surroundings from infiltration of A. Sundaicus, a dangerous carrier species, malaria control measures were carried out over a belt of half-a-mile deep all along the western border of the Salt Water Lakes with satisfactory result. The spleen rate of the Salt Lake Control area was brought down by an appreciable extent.

Districtwise malaria control scheme was first undertaken in the district of Bankura during 1950. The operations were extended to the district of Birbhum in 1951. Satisfactory results obtained therefrom encouraged extending similar operations to another two districts, namely, Hooghly and Nadia during the year, 1952.

Thus a total population of 5,089,000 of the four districts—Bankura, Birbhum, Hooghly and Nadia was protected during the year under report.

(a) **Distribution of anti-malaria drugs**—(1) *Free*.—Anti-malaria drugs were allotted to the different districts for free distribution through the following agencies:—

Through district board—

- (i) For hospitals and dispensaries owned and aided by district boards.
- (ii) For distribution by other agencies, viz., rural health staff, anti-malaria societies and school teachers, etc.



Through Civil Surgeons—

(i) For hospitals and dispensaries other than those owned and aided by the district boards.

(ii) For distribution through Government health staff and other agencies approved by district boards.

Anti-malaria drugs in powder form were generally used in hospitals and dispensaries whereas tablets were distributed through other agencies. As excess stock was held in some districts, a total amount of 3,593 lb. Quinine, 990 lb. Cinchona and 1,568 lb. Totaquina were distributed as against 10,918 lb. Quinine, 5,924 lb. Cinchona and 1,058 lb. Totaquina in the last year.

The table below will show the actual consumption of anti-malaria drugs in the rural and urban areas of the State during the last three years:—

Particulars	Quantity.					
	1950.		1951.		1952.	
	Rural.	Urban.	Rural.	Urban.	Rural.	Urban.
(1) Quinine (in lbs.) ..	8,643	1,179	13,897	5,160	7,118	2,076
(2) Cinchona (in lbs.) ..	4,887	556	6,147	4,116	3,895	1,062
(3) Quinine substitute (in lbs.)	4,880	572	425	202	158	112
(4) Totaquina (in lbs.)	..	..	248	105	1,138	471
(5) Other cinchona alka- loids (in lbs.)	..	..	122	10	163	6
Total ..	18,410	2,307	20,839	9,593	12,472	3,327

(2) *Sale*.—Since the withdrawal of Quinine Rationing Scheme from the middle of 1949, the Cinchona Directorate is marketing their products directly.

The following table will show the sale of quinine and cinchona products during the last three years:—

Particulars.	Quantity.					
	1950.		1951.		1952.	
	Rural.	Urban.	Rural.	Urban.	Rural.	Urban.
(1) Quinine (in lbs.) ..	27,470	28,278	14,494	9,823	2,244	12,603
(2) Cinchona (in lbs.) ..	2,881	477	3,653	573	373	2,250
(3) Totaquina (in lbs.)	24	5	2,311	118	18	1,971
(4) Other cinchona alka- loids (in lbs.)	3	5	1	..	..	4
(5) Quinine substitute (in lbs.)	3	28	..	..	..	..
Total ..	30,381	28,793	20,459	10,514	2,635	16,828

(b) **Anti-malaria grants**—(i) *Local bodies (municipalities)*.—Government made grants-in-aid as usual to the extent of 50 per cent. of the total estimated expenditure to certain municipalities who agreed to carry out anti-malaria measures in their respective areas on the understanding that

the balance would be borne from their own fund. A list of such local bodies who carried out anti-malaria measures with satisfactory results during the last three years is shown below:—

1950.	1951.	1952.
(1) Raniganj Municipality ..	(1) Raniganj Municipality	(1) Rani Municipality.
(2) Serampore Municipality ..	(2) Serampore Municipality	(2) Serampore Municipality.
(3) Bhatpara Municipality ..	(3) Bhatpara Municipality	(3) Bhatpara Municipality.
(4) Gobardanga Municipality	(4) Gobardanga Municipality	(4) Gobardanga Municipality.
(5) Krishnagore Municipality.	(5) Krishnagore Municipality	(5) Krishnagore Municipality.
(6) Nabadwip Municipality ..	(6) Nabadwip Municipality	(6) Nabadwip Municipality.
(7) Santipur Municipality ..	(7) Santipur Municipality	(7) Santipur Municipality.
(8) North Barrackpore Municipality.	(8) Chakdah Municipality ..	(8) Chakdah Municipality.
(9) English Bazar Municipality.	(9) English Bazar Municipality.	(9) English Bazar Municipality.
(10) Jalpaiguri district Board .. ..		(10) North Barrackpore Municipality.
		(11) Siliguri Municipality.

**Control of malaria in rural area through voluntary efforts.**—Control of malaria by spraying residual insecticides on co-operative basis has been continued with satisfactory results. Under this scheme the local people actively participate in anti-malaria operations; insecticides and equipments are supplied free of cost by the Government, training of volunteers and technical supervision are arranged by the Health Directorate. A list of rural areas where anti-malaria measures on such co-operative basis were taken up during the last three years is given below:—

District.	1950-51.	1951-52.	1952-53.
Burdwan ..	(1) Gushkara. (2) Berenda. (3) Nabastha. (4) Ganpur. (5) Shyamsundarpur. (6) Shahebganj. (7) Singhali. (8) Mammudpur. (9) Purbasthali.	(1) Ganpur. (2) Mamudpur. (3) Purbasthali. (4) Nabastha. (5) Shyamsundarpur. (6) Shahebganj. (7) Berenda. (8) Singhali.	(1) Berenda. (2) Ganpur. (3) Nabastha. (4) Shahebganj. (5) Shyamsundarpur. (6) Singhali. (7) Purbasthali. (8) Mammudpur. (9) Ajhapur. (10) Aruar. (11) Saktigarh.
Birbhum ..	(10) Jalalpur. (11) Sajina. (12) Bolepur. (13) Tantipara. (14) Sainthia. (15) Karidhya. (16) Rajnagar. (17) Mollarpur. (18) Nalhati. (19) Dubrajpur. (20) Muraroi. (21) Illambazar.	(9) Bolepur. (10) Tantipara.  The rest merged with the Districtwise Malaria Control Scheme started in the year.	Districtwise Malaria Control Scheme carried out in the entire district.
Midnapore ..	(22) Chatinda.	(11) Chatinda. (12) Brindaban Chak. (13) Balarampur.	(12) Chatinda. (13) Balarampur. (14) Brindaban Chak.



District.	1950-51.	1951-52.	1952-53.
Hooghly ..	(23) Dashghara. (24) Akna. (25) Bagnan. (26) Haripal. (27) Subalprosad-Govindapur.  (28) Doodkumra. (29) Autpur. (30) Kanaipur. (31) Brahmanari. (32) Pandugram. (33) Rajhati. (34) Subalsingpur.	(14) Dashghara. (15) Akna. (16) Bagnan. (17) Samaspur. (18) Subalprosad-Govindapur.  (19) Doodkumra. (20) Autpur. (21) Haripal. (22) Brahmanari. (23) Janai-Baksha. (24) Kanaipur. (25) Pandugram. (26) Subalsingpur. (27) Rajhati.	Districtwise Malaria Control Scheme started in the year.
Howrah ..	(35) North Jhapardah. (36) Bhandargacha. (37) Rashpur-Tajpur. (38) Jaypur. (39) Jhikra. (40) Udaynarainpur.	(28) North Jhapardah. (29) Bhandargacha. (30) Rashpur-Tajpur. (31) Jaypur. (32) Jhikra. (33) Udaynarainpur. (34) Panchla.	(15) North Jhapardah. (16) Bhandargacha. (17) Udaynarainpur. (18) Bhattanagar. (19) Nonakunda. (20) Uluberia. (21) Pantihal. (22) Goalpota. (23) Panchla. (24) Jhikra. (25) Rashpur-Tajpur. (26) Purbannapara. (27) Jaypur.
24-Parganas ..	(41) Birji-Garia. (42) Kanchrapara. (43) Ichapur-Balliani.	(35) Birji-Garia. (36) Kanchrapara. (37) Ichapur-Balliani.	(28) Birji-Garia. (29) Kanchrapara. (30) Ichapur-Balliani. (31) Charghat. (32) Sahararhat. (33) Dhankuni. (34) Kalinagar. (35) Manipur. (36) Kejurberia. (37) Haroa.
Murshidabad	(44) Panchthupi. (45) Jagannathpur-Sannyashitala.	(38) Panchthupi. (39) Jagannathpur-Sannyashitala.	(38) Panchthupi. (39) Jagannathpur-Sannyashitala.
Nadia ..		(40) Murutia. (41) Shyamnagar (Palashipara). (42) Hatishala. (43) Hatkhola. (44) Dogachia. (45) Assannagar. (46) Patikabari. (47) Debogram. (48) Majdia-Talday. (49) Betna-Gobindapur. (50) Shilindah. (51) Haringhata. (52) Baraset (Aranghata). (53) Belgharia.	(40) Mahesile. Districtwise Malaria Control Scheme started in the year.

(c) **Government sponsored anti-malaria works.**—The following schemes were undertaken by Government directly during 1952-53:—

- (1) Malaria Control Operation in Burdwan Civil Station.
- (2) Malaria Control Operation in the adjacent villages of the Rural Health Unit & Training Centre, Singur, in the district of Hooghly.

(3) **A. Ludlowii Control Measures at Budge Budge in the district of 24-Parganas.**

(1) Malaria Control Measures in the Burdwan Civil Station area were carried out as usual. The measures kept the local incidence of malaria at a very low level during the year under report.

(2) **Malaria Control in Singur.**—The area covered by this Scheme is 32.98 sq. miles around the Rural Health Unit Training Centre, Singur comprising four union boards. There are 68 villages with 73,413 population (1951 census).

The anti-malaria operations were carried out on the following lines:—

- (i) Indoor residual D.D.T. spraying of all the houses.
- (ii) Curative treatment of cases with anti-malaria drugs.
- (iii) Prophylactic use of Paludrines as far as possible.

Frequency of D.D.T. application in a village varied according to the intensity of malaria incidence. Fifty-six villages were sprayed twice and 12 villages once during the year under report. In addition to paid labourers local volunteers were utilised as far as possible. Spleen rates for the last three years show a gradual decline:—

Distribution of villages according to spleen rates.				
Spleen rates in percent.		1950.	1951.	1952.
		Number of villages.	Number of villages.	Spleen rate percent. Number of villages.
0—5 percent.	..	55	68	0 percent. 31
6—10 percent.	..	8	1	1—5 percent. 37
11—20 percent.	..	1	0	0
21—30 percent.	..	0	0	0
		<hr/> 64 <hr/>	<hr/> 69 <hr/>	<hr/> 68 <hr/>

3) **A. Ludlowdi Control at Budge Budge.**—The area of operation comprises 3 sq. miles with a population of 21,150, majority being employed in the industrial concerns.

The anti-malaria operations on the lines of species were carried out as usual during the year under report. This work was financed by the State Government and partly by the Municipality and certain local firms, directly benefitted by the Scheme.

Besides a large swamp extending over 10 acres, 1,156 water collections of which 850 are permanent and the rest are temporary were treated during the year.

The nature of work consisted of—

- (i) Removal of aquatic vegetation from likely breeding places of *A. sundaiacus*.
- (ii) Weekly treatment of anopheline breeding places with larvicides.
- (iii) Minor drainage and flushing.
- (iv) Filling up of low lands.

Anti-larval work successfully checked breeding of *A. sundaiacus* and helped to protect the health of the residents.



## Spleen table for the last five years.

Year.					Control	Operational
					area.	area.
1948	..	..	..	..	0.2	0.3
1949	..	..	..	..	0.6	0.2
1950	..	..	..	..	..	0.7
1951	..	..	..	..	..	1.8
1952	..	..	..	..	0.0	1.7

## Dispensary Figures for the last five year.

Year.				Total	Malaria	Percent-
				cases.	cases.	age.
1948	..	..	..	35,718	1,551	4.34
1949	..	..	..	40,697	4,142	10.17
1950	..	..	..	40,662	1,735	4.26
1951	..	..	..	38,723	1,991	4.93
1952	..	..	..	50,709	2,448	4.82

## Report on the collection of Anopheline Adult Mosquitoes.

	Total number of Anopheline collected.				Man per hour.		Total number of <i>A. sundaicus</i> collected.				Man per hour.	
	Cattle sheds.	Bed rooms.	Cattle sheds.	Bed rooms.	Cattle sheds.	Bed rooms.	Cattle sheds.	Bed rooms.	Cattle sheds.	Bed rooms.	Cattle sheds.	Bed rooms.
<i>1952.</i>												
April	..	42	0	16.8	0.0	0	0	0.0	0.0	0.0	0.0	0.0
May	..	..	..	..	..	..	..	..	..	..	..	..
June	..	..	..	15.6	4.5	0	0	0.0	0.0	0.0	0.0	0.0
July	..	..	..	18.9	5.0	0	0	0.0	0.0	0.0	0.0	0.0
August	..	69	60	13.1	5.8	0	0	0.0	0.0	0.0	0.0	0.0
September	..	53	21	11.8	2.8	0	0	0.0	0.0	0.0	0.0	0.0
October	..	45	24	12.0	3.7	0	0	0.0	0.0	0.0	0.0	0.0
November	..	32	18	10.6	2.5	0	0	0.0	0.0	0.0	0.0	0.0
December	..	..	39	..	38.2	0	1	0.0	0.0	0.0	0.8	0.8
	241	162	..	..	..	0	1	..	..	..	..	..

(d) **Surveys**—1. *A. Ludlowii* Survey.—With a view to protect the city of Calcutta and the surrounding areas from a possible invasion of *A. sundaicus*, regular survey was carried out, as usual, around Salt Lakes, eastern fringes of the city of Calcutta and the suburban areas.

Breeding of *A. sundaicus* was detected from the following areas:—

*Calcutta Corporation.*

(i) Breeding involving Ward Nos. 18, 28, 29 and 30:—

- |                     |                   |
|---------------------|-------------------|
| (1) Gobra.          | (10) Kadapara.    |
| (2) Tapsia.         | (11) Narkeldanga. |
| (3) Tangra.         | (12) Bagmari.     |
| (4) Mathpukur.      | (13) Ghoshbagan.  |
| (5) Pagladanga.     | (14) Muraripukur. |
| (6) Rashmoni Bazar. | (15) Ultadanga.   |
| (7) Phariapara.     | (16) Judge Bagan. |
| (8) Nebugola.       | (17) Sinthi.      |
| (9) Bahirsurah.     | (18) Paikpara. .  |
|                     | (19) Belgachia.   |

(Breeding intensity as compared to that of the previous year was higher.)

(ii) Persistent breeding was detected in the following areas:—

- |                  |                 |
|------------------|-----------------|
| (1) Bagmari.     | (4) Kadapara.   |
| (2) Muraripukur. | (5) Pagladanga. |
| (3) Bahirsurah.  | (6) Tangra.     |
|                  | (7) Tapsia.     |

(Density of *A. sundaicus* passed critical level in the above areas resulting a mild outbreak of malaria in Bagmari, Kadapara and Pagladanga areas.)

*Salt Lake Areas.*

Stray breedings of the species were recorded in the following areas:—

- |                   |                    |
|-------------------|--------------------|
| (1) Golaghat.     | (8) Gurerbhery.    |
| (2) Dakshindhari. | (9) Captainbhery.  |
| (3) 24-Bighas.    | (10) Tapuriaghata. |
| (4) Bamanabad.    | (11) Muniabhery.   |
| (5) Gariabad.     | (12) Pagladanga.   |
| (6) Searatala.    | (13) Dhapa.        |
| (7) Duttabad.     | (14) Topsia.       |
|                   | (15) Aripota.      |

*Baraset-Bashirhat Railway line.*

- |                              |                               |
|------------------------------|-------------------------------|
| (1) Rajarhat police-station. | (3) Deganga police-station.   |
| (2) Baraset police-station.  | (4) Bashirhat police-station. |
|                              | (5) Hasnabad police-station.  |



*Along River Hooghly.*

- |                  |   |
|------------------|---|
| (1) Natibpur.    | (3) Jagannathpur.                                       |
| (2) Baikuntapur. | (4) Fuleswar.   |
|                  | (5) Chengail under police-station<br>Uluberia (Howrah). |

*Municipalities.*

- (1) South Dum Dum.  
 (2) Baranagore (visited by localised outbreak of malaria in autumn).

*Southern Section of Eastern Railways.*

- |                                 |                              |
|---------------------------------|------------------------------|
| (1) Tollygunge police-station.  | (4) Sonarpur police-station. |
| (2) Moheshtola police-station.  | (5) Baruipur police-station. |
| (3) Budge-Budge police-station. | (6) Canning police-station.  |

(Intensive breeding was detected along the entire route from Ghuturia Sharif to Matla. Ghuturia Sharif and adjacent villages Bansra and Makaltala were under grip of malaria in autumn.)

*Other areas.*

(i) Breeding was detected in the Shyambazar new cut canal lying in between Salt Lake and the city of Calcutta and on other side of Salt Lake in the police-stations of Rajarhat and Bhangore.

(ii) Adults species were collected from trains coming from Hasnabad and Basirhat at Shyambazar Railway Station and at Kristopur Lock Gate from boats carrying different cargo coming from Sandeshkhali and Kulpi, etc., of the Sundarbans area.

All Ludlowii findings were duly reported to all local bodies concerned with suggestions to adopt suitable control measures.

2. *Survey Squads*.—Permanent Survey Squads of this directorate played an important roll in connection with the Malaria Control Programme of the State of West Bengal. Malaria survey was carried out prior to initiation of any control scheme and again after the season was over to test the efficacy of anti-malaria operations so far carried out. The number of such survey was 120 during the year under report.

(e) **Development programme**.—(1) Malaria control in the fringe area of Salt Water Lakes.

(2) Districtwise Malaria Control Scheme.

(1) The scheme consisted in controlling the breeding places of *A. sundaicus* in the salt-water-logged marshes on the east of Calcutta extending over an area of about  $7\frac{1}{2}$  miles in length. To protect the city of Calcutta and its surroundings from infiltration of *A. sundaicus*, a dangerous carrier species, a belt at least half a mile deep all along the western border of the Salt Lakes was first brought under control. Later on the control area had to be extended over a depth of three quarter of a mile in certain places. The whole area has been divided into 6 blocks, each in-charge of one Malaria Inspector with 3 to 4 labour gangs consisting of one Mate and 12—13 labourers.

## Spleen Index.

	Year.	Number of children examined.	Number showing enlarged spleen.	Percentage.
Villages in Salt Lake ..	1948	1,348	39	2.9
	1949	1,936	15	0.7
	1950	1,219	6	0.5
	1951	1,125	16	1.4
	1952	1,176	8	0.7
Calcutta Corporation Area	1951	386	11	2.9
	1952	767	21	2.7
South Dum Dum Municipality.	1951	..	..	..
	1952	82	1	1.2

The spleen rate of the Salt Lake Control area was brought down from 1.4 to 0.7 per cent. whereas in the adjoining corporation areas spleen rate is 2.7 per cent. against 2.9 per cent. of the last year.

(2) *Districtwise Malaria Control Schemes.*—Anti-malaria campaign by spraying all the houses with residual insecticides on a district basis was first undertaken in the Bankura district in the malaria season of 1950 entirely at the expense of the Government. The operations were extended to the district of Birbhum in 1951. Encouraging results obtained in these two districts in 1951, prompted extending similar operations to another two districts, viz., Hooghly and Nadia, during the year under report. Thus a total population of 5,089,000 as per table below was protected in the year.

District.		Total number of subdivisions.	Total number of police-stations.	Area in sq. mile.	Population protected.	Division of district for the purpose of anti-malaria work.	
(1)		(2)	(3)	(4)	(5)	(6)	
							M.S.* M.I.*
Bankura ..	..	2	19	2,646.9	1,319,441	4	16
Birbhum ..	..	2	14	1,742.9	1,068,826	3	12
Hooghly ..	..	3	18	1,208.4	1,554,320	4	16
Nadia ..	..	2	13	1,509.0	1,146,355	3	12
Total ..		9	64	7,107.2	5,088,942	14	56

For the purpose of anti-malaria operations each of the districts was placed under a District Medical Officer with three to four Malaria Supervisors under him. Each Supervisor had three to four Malaria Inspectors who had two to three spray gangs consisting of one Mate and six labourers. Motor vehicles were provided for transport of men and materials.

Two rounds of D.D.T.-Aromex Emulsion in a dosage of 50-60 mgms. were applied in areas with spleen rates over 20 per cent. and in other areas one round only was deemed sufficient. Entomological findings and general malaria picture reveal that residual house spraying as a single measure is able to reduce very considerably malaria and its vector.

\*M.S.—Malaria Supervisor.

\*M.I.—Malaria Inspectors.



## Anopheline Density per man hour catch in human habitation and cattle sheds during 1952.

## (i) BANKURA.

Month.		Number of mosquitoes collected.		Per man-hour catch.		Species found.
		Bed rooms.	Cattle sheds.	Bed rooms.	Cattle sheds.	
January	..	4	188	1.2	11.1	
February	..	214	572	2.5	13.3	
March	..	145	550	1.4	11.3	
April	..	153	619	1.3	9.7	
May	..	248	637	1.6	8.3	A. <i>Philippinensis</i> adult has been found throughout the year.
June	..	229	821	1.7	11.89	
July	..	116	301	1.7	9.1	
August	..	155	471	2.1	13.9	
September	..	32	126	1.2	10.9	
October	..	30	120	.9	7.2	
November	..	18	119	.6	7.8	
December	..	13	91	.4	5.8	

## (ii) BIRBHUM.

January	..	0	0.0	39	16.7	No observation was made. Adult specimens of A. <i>philippinensis</i> was collected from police-station Nanoor and police-station Mahammad Bazar in March 1952.
February	..	4	0.38	82	16.4	
March	..	5	.5	149	40.7	
April	..	14	12.7	179	39.8	
May	..	21	1.7	123	46.1	
June	..	..	..	..	..	
July	..	..	..	..	..	
August	..	..	..	..	..	
September	..	28	2.9	86	21.7	
October	..	2	.2	73	19.0	
November	..	..	0.0	20	17.1	
December	..	..	0.0	64	14.2	

## (iii) HOOGHLY.

Month.	Number of mosquitoes collected.		Per man hour catch.		Species found
	Bed rooms.	Cattle sheds.	Bed rooms,	Cattle sheds.	
January	..	..	..	..	This was the first year of starting Malaria Control work in the district. No observa- tion was made.
February	..	..	..	..	
March ..	..	..	..	..	
April ..	..	..	..	..	
May ..	..	..	..	..	
June ..	..	..	..	..	
July ..	..	..	..	..	
August ..	..	..	..	..	
September	..	103	243	10·8	40·5
October ..	..	52	248	5·6	40·2
November	..	39	200	5·0	37·5
December	..	22	256	2·4	42·6

## (iv) NADIA.

January	..	..	..	..	..	No observation was made.
February	..	..	..	..	..	
March ..	..	..	..	..	..	
April ..	..	..	..	..	..	
May ..	..	..	..	..	..	
June ..	..	..	..	..	..	
July ..	..	..	..	..	..	
August ..	..	..	..	..	..	
September	..	129	320	9·9	24·6	A. <i>philippinensis</i> adults were collected from Tehatta police-station in October 1952 and from Janskhali in November 1952 and December 1952.
October ..	..	49	111	7·5	51·2	
November	..	17	96	2·6	44·3	
December	..	12	61	1·8	28·2	

## Reduction in Malaria cases and Malaria cases treated in Dispensaries.

District.		Bankura.	Birbhum.	Hoo ghly.	Nadia.	
Year.		Number of cases.	Number of cases.	Number of ases.	Number of cases.	
1948	..	..	104,646	128,090	45,476	182,032
1949	..	..	93,499	132,110	112,423	174,236
1950	..	..	59,177	55,505	138,586	118,718
1951	..	..	50,429	42,069	123,093	54,670
1952	..	..	46,673	19,471	104,821	56,801



## Reduction in Spleen Rates.

## BANKURA.

						Percentage.
Before spraying	..	..	..	..	..	32.1
After spraying—						
1951	..	..	..	..	..	19.5
1952	..	..	..	..	..	11.9
1953	..	..	..	..	..	5.3

## BIRBHUM.

Before spraying	..	..	..	..	..	41.3
After spraying—						
1952	..	..	..	..	..	22.4
1953	..	..	..	..	..	10.3

## HOOGHLY.

Before spraying	..	..	..	..	..	22.9
After spraying—						
1953	..	..	..	..	..	18.0

## NADIA.

Before spraying	..	..	..	..	..	27.4
After spraying—						
1953	..	..	..	..	..	19.7

(f) **Entomology.**—During 1952, blood smears from different parts of the State were examined for malaria parasites. Out of 3,050 smears examined, 311 were positive, M.T. 197, B.T. 106, Quartan 4 and mixed infection 4.

The Malaria Treatment Centre at Jagaddal (24-Parganas) continued twice a week as before during the year. The total attendance during the year was 3,396. Blood smears taken from new cases were examined regularly to study the seasonal incidence of different types of malaria infection.

Of the positive cases in Jagaddal nearly 65.0 per cent. formed M.T., 34 per cent. B.T. and 1 per cent. Quartan.

Mosquito larvae and adults numbering 2,914 collected from different areas were identified. Twelve batches of mosquitoes numbering 852 collected from the Dum Dum Aerodrome area were identified and reported. All adult anophelines received alive at the laboratory were dissected for malarial infection, but none gave positive results.

Investigations were carried out with different mosquitoes in the transmission of different plasmodia in the causation of malaria.

Experimental transmission of *P. gallinaceum* in fowl malaria was successfully conducted with *Aedes aegypti*. Different mosquitoes particularly *A. stephensi*, *Culex fatigans* and *Aedes aegypti* were reared for this purpose. Out of 253 different mosquitoes fed on infected fowls, 71 had to infective feed, 40 showing sporozoites.

Different house flies were collected from certain areas in Calcutta for studies.

### (B) Kala-azar.

(i) Incidence of kala-azar cases during the year under report was normal.

A total number of 22,383 cases was treated in hospitals and dispensaries during the year 1952 against 38,488 in 1951. Deaths from kala-azar as recorded in the State were 1,128 against 1,476 in 1951.

(ii) A sum of Rs. 14,700 against Rs. 19,700 in 1951—52 was made available to various district boards as grants-in-aid to help them in the anti-kala-azar work within their respective districts.

(iii) A special grant of Rs. 7,500 was paid to the Darjeeling district board for continuance of special anti-kala-azar work in the district under the Darjeeling District Rural Health Organisation Scheme.



## Chapter IV

## URBAN SANITATION AND WATER SUPPLY.

Maintenance or extension of water-supply, drainage, medical and public health arrangements within the municipal area is the primary concern of the municipalities.

Out of 80 municipalities excluding Calcutta, 18 municipalities maintained their own Health Officers. The remaining municipalities carried out their sanitary administration through qualified Sanitary Inspectors.

**Income and expenditure of municipalities.**—The average rate of taxation per head of population under the municipal administration was Rs. 4-10-2 during 1951-52 against Rs. 3-1 in 1950-51.

Total income and expenditure of the municipalities under main heads are furnished below:—

Item.	1951-52.	Percentage of expenditure to total income excluding opening balance.	Remarks.
	Rs.		
Opening balance at hand .. ..	15,89,330	..	Figures of 21 municipalities have not been included in the statement as the discrepancies found in the Statistics supplied by them were then not rectified.
Income including opening balance ..	1,82,02,846	..	
Total expenditure including debts ..	1,97,49,750	..	
Expenditure on public health and sanitation.	98,62,609	59·4	
Expenditure on public safety .. ..	15,38,092	9·2	
Expenditure on public roads .. ..	12,45,207	7·5	
All other expenditure .. ..	71,03,782	4·3	

The average expenditure per head of municipal population on several items on public health is given below:—

Items.	Total expenditure, 1951-52.	Average expenditure per head of Municipal population.
	Rs.	Rs. a. p.
Water-supply .. ..	17,21,010	0 11 0
Drainage .. ..	8,65,542	0 5 6
Conservancy .. ..	52,11,675	2 1 3
Charges on account of Health Officers and Sanitary Inspectors.	2,96,032	0 1 11
Hospitals, Dispensaries and epidemic charges.	5,65,783	0 3 7
Vaccination .. ..	92,112	0 0 7
Plague charges .. ..	143	..
Markets and Slaughter Houses ..	55,408	0 0 4
Registration of births and deaths ..	36,816	0 0 3

**Management of waterworks by local bodies.**—There were in all 30 waterworks in operation in the State under management of different municipalities. This number excludes the waterworks run by the Calcutta Corporation. The total population served was approximately 1,917,300 with average daily supply of 18,515,230 gallons.

In addition to these 30 waterworks, construction of another waterworks at Kanchrapara was under progress.

Total capital expenditure for construction or improvement of these waterworks incurred during 1952-53 was Rs. 4,28,942.

**Management of drainage work by local bodies.**—A total number of 26 municipalities maintained their respective drainage work. An approximate population served by such drainage work was 867,600 and a total capital expenditure incurred during 1952-53 was Rs. 2,80,674.

**Quality of drinking water.**—On analysis of samples of water collected from various waterworks, the result obtained was satisfactory and the water supplied to the public was of very high quality. For isolated cases of unsatisfactory results of analysis, the municipal authorities concerned was forthwith advised as to the steps to be taken to improve the quality of water.

For regulating the management of waterworks and sewerage works by local bodies, the following routine duties were carried out:—

- (1) Checking of monthly returns.
- (2) Scrutiny of annual budget estimates.
- (3) Scrutiny of monthly reports.
- (4) Scrutiny of quarterly returns of house connections.
- (5) Scrutiny of annual abstract accounts of depreciation.
- (6) Inspection of machineries of the waterworks [this was done by the Assistant Engineer (Mechanical)].

**Inspections of waterworks and sewerage works.**—The following waterworks and sewerage works were inspected by the Executive Engineer (West Circle):—

- (1) Serampore Waterworks.
- (2) Hooghly-Chinsurah Waterworks.
- (3) Uttarpara Waterworks.
- (4) Sewerage works at Serampore (in progress).

The Assistant Engineer (Mechanical) inspected the following waterworks and sewerage works:—

- (1) Serampore Works.
- (2) Titagarh Sewerage Works.
- (3) Burdwan Waterworks.
- (4) English Bazar Waterworks.



- (5) Howrah Waterworks.
- (6) Bankura Waterworks.
- (7) Bhatpara Sewerage Works.

The Anti-malaria Engineer inspected a total number of 258 septic tanks and activated Sludge plants in mills and factories.

The Chief Engineer, Public Health Engineering, as advisory authority, had to certify demand of pipes for domestic water-supply and other purposes.

Local inspections were made for verification of the demand at site. 1,228 number of applications were certified by the Chief Engineer, Public Health Engineering and sent to the Director, Consumer Goods Department and Civil Supplies, West Bengal, for issue of permits.

**Maintenance Works.**—The following works were maintained during the year under review:—

- (1) Digri T. B. Hospital Water-supply.
- (2) Kalimpong Waterworks.
- (3) Darjeeling Improvement Fund Water-supply.
- (4) Kanchrapara T.B. Hospital.
- (5) Beltola Refugee Camp.
- (6) S.M. Bose's House, Chandernagore.
- (7) Mahalandi Vagrants' Home.

**Scheme and projects.**—The following schemes were drawn up during the year under review:—

Sketch Project (water-supply).		Estimated cost of the scheme.
		Rs.
(i)	Installation of Bore Hole Pump at Badartola Pumping Station	13,420
(ii)	Installation of Iron Elimination Plant at Panihaty Fire Station	550
(iii)	Improvement of Water-supply and Sanitary arrangement at Jalpaiguri State-managed Hospital.	82,453
		<hr/>
		96,423
(iv)	Totapara Water-supply Improvement Scheme .. ..	10,000
(v)	North Barrackpore Water-supply Scheme .. ..	14,10,000
		<hr/>
		15,16,423

Water-supply and other Public Health Engineering Schemes of the Health Directorate and other departments of the State Government and local bodies were executed to the value of Rs. 53,19,585 under direct control and

supervision of the Directorate of Public Health Engineering. Details of these schemes are shown below:—

	For Schemes of local bodies.	For Schemes of Health Directorate.	For Schemes of other Departments of the State Govern- ment.	Total.
	Rs.	Rs.	Rs.	Rs.
(1) Total Capital expenditure during 1952 for construction and improvement of Water-works under management of local bodies .. ..	4,28,942	..	..	4,28,942
(2) Water-supply and Sanitary arrangements in Health Centres of the State ..	..	6,03,156	..	6,03,156
(3) Water-supply and Sewerage arrangement in Kanchrapara T.B. Hospital ..	..	4,20,650	..	4,20,650
(4) Water-supply and Sanitary arrangement at the Digri T. B. Hospital (M. R. Bangur Sanatorium) ..	..	39,943	..	39,943
(5) Relief work (water-supply and Sanitary arrangement for East Bengal Refugees) .. ..	..	..	9,23,832	9,23,832
(6) Water-supply, Sewerage and Drainage Schemes of Kalyani Development area .. ..	..	..	29,01,385	29,01,385
(7) Water-supply and Sanitary arrangement-Eastern Frontier Rifle Camp, Salua, Midnapore .. ..	..	..	1,677	1,677
	4,28,942	10,63,749	38,26,894	53,19,585



## Chapter V

## RURAL SANITATION.

For the purpose of Public Health Administration by local bodies, the rural areas in the State of West Bengal excluding Darjeeling district were divided into 226 Rural Health Circles. These were maintained by district boards with grants-in-aid from Government. These rural health circles were managed by qualified Sanitary Inspectors—each with three assistants and one Medicine Carrier under direct control and supervision of District Health Officers.

Under the special scheme known as Darjeeling Rural Public Health Organisation 12 Rural Public Health Centres (combined preventive cure Medical Treatment Centres) were maintained mainly at the State expense during the year under report.

Besides maintenance of rural health organisation, district boards maintained hospitals and dispensaries, kala-azar and leprosy centres with or without Government grants.

The State in addition to local Public Health staff maintained 37 Sub-divisional Health Officers with M.B., D.P.H., qualification—one posted in each of the subdivisions of the State excluding the district of Darjeeling and 430 Health Assistants and 206 Mobile Medical Units. These staff were distributed throughout the State and they worked under direct control and supervision of the respective Subdivisional Health Officers.

**District boards' income and expenditure.**—Total receipt and expenditure on some main items during 1951-52 are shown below:—

Items.	1951-52.	Percentage to total receipt (ex- cluding opening balance).	Remarks.
1	2	3	4
	Rs.		
Opening balance at hand .. ..	15,31,756	..	
Total receipt including opening balance	54,97,916	..	
Total expenditure excluding debts, etc.	38,55,997	97·2	The figures of five District Boards, Bankura, Midnapore, 24-Parganas, Hooghly and Nadia, were not included, as discrepancies found in the statistics supplied by them were not reconciled.
Expenditure on communication ..	10,97,924	27·7	
Expenditure on buildings .. ..	83,589	2·1	
Expenditure on water-supply and water works.	1,42,203	3·6	
Expenditure on drainage .. ..	..	..	
Total expenditure on Civil Works—Public Works (including expenditure on Communication, Buildings, Water-supply and waterworks and drainage)	17,73,107	44·7	
Expenditure on sanitation .. ..	6,98,631	17·6	
Expenditure on vaccination and other charges.	1,13,697	2·9	

**Rural Water-supply.**—*Schemes prepared.*—The scheme for sinking of tube-wells at villages under Mathurapur police-station (district 24-Parganas), was prepared and the cost was estimated to be Rs. 24,000 (Rupees twenty-four thousands only). Under Rural Water-supply Scheme No. 187, the following work was carried out during the year under review under direct control and supervision of the Public Health Engineering of the Health Directorate:—

(1) Number of tube-wells sunk	...	...	372
(2) Number of choked up tube-wells re-sunk		...	365
(3) Number of tube-wells repaired	...	...	45,000
(4) Number of masonry and ring wells sunk		...	99
(5) Number of masonry and ring wells repaired		...	217

A sum of twenty lakhs of rupees was sanctioned by Government for rural water-supply. Materials were purchased out of this grant. For execution of the work, allotments were made to the District Officers.

Besides the above, a sum of Rs. 2,46,240 was sanctioned for water-supply of emergent nature in special areas and in the hill areas of Darjeeling district. Allotments were made to the respective officers for execution of the work.

A sum of Rs. 1,05,913 was sanctioned by Government for water-supply in Tribal areas. The said amount was distributed to the respective District Officers for execution of the work.



## Chapter VI

### MEDICAL RELIEF—HOSPITALS AND DISPENSARIES.

**Classifications of Institutions.**—The hospitals and dispensaries were classified as before, viz.,—

- (1) (a) State Public Institutions (Class I).
  - (b) State-managed hospitals (taken over from local bodies by the Government as a temporary measure for better working).
  - (c) A.G. and F.R.E. Hospitals (temporary State Public Hospitals established as auxiliary to existing hospitals found to be inadequate to cope with the incidence of diseases).
  - (d) Health Centres (established mostly in rural areas having both preventive and curative functions).
- (2) State special institutions (Class II), e.g., Police Hospitals and institutions of special departments, such as Communications and Works, Forest, Irrigation etc.
- (3) Local fund institutions (Class III)—managed and maintained by local bodies.
- (4) Private-aided Institutions (Class IV).
- (5) Private non-aided Institutions (Class V)—
  - (i) under Government supervision,
  - (ii) not under Government supervision.
- (6) Railway hospitals and dispensaries (Class VI).
- (7) Private Institutions receiving subsidies from local bodies (Class VII).
- (8) Union board dispensaries.
- (9) Village dispensaries.
- (10) Ayurvedic, Homeopathic and Unani Hospitals and Dispensaries.

**Calcutta hospitals and dispensaries—Number.**—During the year under report there were 70 civil hospitals and dispensaries including two A. G. Hospitals in Calcutta, of which 40 had accommodation for inpatients, while the remaining 30 gave treatment in out-door departments only.

**Beds.**—The total number of beds in the Calcutta hospitals was 6,463 including 375 beds available in the two temporary A. G. Hospitals functioning in the city.

**Patients treated.**—During the year under report the number of indoor and outdoor patients were 170,546 and 1,340,755 respectively in the Calcutta hospitals and dispensaries excluding A.G. and F.R.E. hospitals, the death rate amongst indoor patients being 5·2 per cent.

*Diseases.*—The statistics for some of the principal diseases treated in Calcutta hospitals and dispensaries excluding A.G. and F.R.E. Hospitals for 1952 are given below:—

			Number of outdoor patients.	Number of indoor patients.	Death rate amongst inpatients. (Percentage.)
Cholera	..	..	852	4,651	21·6
Smallpox	..	..	243	234	13·7
Malaria	..	..	92,344	4,694	3·2
Diseases of the eye	..	..	138,145	7,446	0·2
Leprosy	..	..	9,839	206	..
Mental diseases	..	..	1,696	102	9·8
Venereal diseases	..	..	29,881	525	3·6
Tuberculosis of lungs	..	..	32,965	1,191	15·2

**Mufassil hospitals and dispensaries**—*Number.*—The total number of hospitals and dispensaries in the mufassil during the year under report was 1,103 including 122 A.G. and F.R.E. hospitals as well as 131 Health Centres. Of these institutions 402 had accommodation for inpatients, while the remaining 701 gave treatment in outdoor departments only.

*Beds.*—The total number of beds in mufassil institutions was 11,767 including 2,810 beds available in A.G. and F.R.E. hospitals and 1,728 beds in Health Centres.

*Patients treated.*—During the year under report the number of indoor and outdoor patients excluding A.G. and F.R.E. Hospitals and Health Centres were 101,816 and 3,403,052 respectively in the mufassil institutions, the death rate amongst indoor patients being 4·05 per cent.

*Diseases.*—The statistics for some of the principal diseases treated in mufassil institutions excluding A.G. and F.R.E. hospitals and Health Centres for 1952 are given below:—

			Number of outdoor patients.	Number of indoor patients.	Death rate amongst inpatients. (Percentage.)
Cholera	..	..	1,346	1,178	23·8
Smallpox	..	..	442	229	10·5
Malaria	..	..	1,153,457	10,122	1·8
Diseases of the eye	..	..	159,203	3,679	0·11
Leprosy.	..	..	18,001	621	3·7
Mental diseases	..	..	916	96	..
Venereal diseases	..	..	24,216	373	4·3
Tuberculosis of lungs	..	..	14,445	2,666	14·4

**A. G. and F. R. E. Hospitals:**—The Famine Relief Emergency Hospitals were first opened on a temporary basis mostly in the rural areas with a



view to cope with the menacing heavy incidence of diseases in the trail of the terrible Bengal Famine of 1943. They were subsequently renamed as Auxiliary Government Hospitals and these continued to function as Auxiliary to the existing hospitals found to be inadequate to meet the requirements of the people. During the year under report, there were 114 A. G. Hospitals with 3,050 beds and 10 F.R.E. Hospitals with 135 beds. A total of 37,808 cases were treated in these hospitals as against a total of 84,347 of the previous year.

*Calcutta.*—There were two A.G. Hospitals with 375 beds functioning in Calcutta during the year under report. A total of 2,982 cases were treated in 1952 as against 3,245 cases in the preceding year. The statistics for some of the more important diseases as compared with those of the previous year are shown below:—

Diseases.	1952.			1951.		
	Admission.	Number of death.	Death rate amongst admitted cases. (Percentage.)	Admission.	Number of deaths.	Death rate amongst admitted cases. (Percentage.)
1. Cholera ..	1	..	..	..	..	..
2. Smallpox ..	1	..	..	11	..	..
3. Malaria ..	475	41	8.6	629	49	7.8
4. Pneumonia ..	620	124	20.0	496	127	25.6
5. Dysentery ..	349	153	43.8	716	244	34.1
6. Kala-azar ..	76	10	13.2	102	13	12.7
7. Tuberculosis ..	439	146	33.2	352	137	38.9
8. Venereal diseases ..	14	2	14.3	15	..	..
9. Other diseases ..	1,007	134	13.3	924	175	18.9
Total ..	2,982	610	20.5	3,245	745	22.9

*Mufassil area.*—During the year under report there were 122 A.G. and F.R.E. Hospitals with 2,810 beds. A total of 34,098 cases were treated in 1952 as against 81,102 cases in the preceding year. The statistics for some of the more important diseases as compared with those of the previous year are shown below:—

Diseases.	1952.			1951.		
	Admission.	Number of deaths.	Death rate amongst admitted cases (Percentage)	Admission.	Number of deaths.	Deaths rate amongst admitted cases. (Percentage)
1. Cholera ..	97	18	18.6	177	38	21.5
2. Smallpox ..	10	2	20.0	233	29	12.4
3. Malaria ..	8,223	87	1.1	23,296	319	1.4
4. Pneumonia ..	1,223	65	5.3	1,727	79	4.6
5. Dysentery ..	3,356	224	6.7	6,372	271	4.3
6. Kala-azar ..	522	18	3.4	8,506	115	1.4
7. Tuberculosis ..	112	32	28.5	205	47	22.9
8. Venereal diseases ..	374	3	0.8	488	10	2.0
9. Other diseases ..	20,181	813	4.0	40,098	906	2.3
Total ..	34,098	1,262	3.7	81,102	1,814	2.2

(A) **Arrangement for treatment of cases of infectious diseases.**—There is a permanent infectious ward at Nilratan Sircar Hospital, Calcutta, for admission of cases of cholera, smallpox, plague, etc. To remove the congestion that was noticed during the epidemic season, the State Government has taken up construction of a permanent Infectious Diseases Hospital at Beliaghata, Calcutta, and the work was under progress.

In rural areas, arrangement for treatment of infectious cases exists in all Sadar and Subdivisional Hospitals and in Auxiliary Government and F.R.E. Hospitals.

(B) **Relief Hospitals and Dispensaries.**—As in the previous year, the State maintained 13 Relief Camp Hospitals and 14 Relief Dispensaries in different districts. The names of these hospitals and dispensaries are furnished below:—

Hospitals.			Beds.
<i>Nadia.</i>			
(1) Dhubulia Relief Camp Hospital ..	..	..	125
(2) Relief Camp Hospital at Cooper's Camp ..	..	..	125
(3) Relief Camp Hospital at Kanchrapara ..	..	..	25
<i>Howrah.</i>			
(4) Relief Camp Hospital at Ghusuri ..	..	..	50
(5) Relief Beds at Belur A. G. Hospital ..	..	..	10
(6) Relief Hospital at Belur Women's Camp ..	..	..	10
<i>Hooghly.</i>			
(7) Relief Camp Hospital at Bansberia Women's Camp ..	..	..	10
(8) Relief Camp Hospital at Raj Kisen Street, Uttarpara ..	..	..	10
(9) Relief Camp Hospital at Bhadrakali Women's Camp ..	..	..	10
<i>Burdwan.</i>			
(10) Relief Camp Hospital at Nabanagar ..	..	..	20
<i>24-Parganas.</i>			
(11) Children Hospital, Cossipore ..	..	..	20
(12) Relief Camp Hospital at Titagarh ..	..	..	10
<i>Midnapore</i>			
(13) Relief Camp Hospital at Dudkund ..	..	..	20
			<hr/> 445 <hr/>



**DISPENSARIES.****DISPENSARY WITH OUT-PATIENT DEPARTMENT.***24-Parganas.*

- (1) The dispensary attached to New Barrackpore Camp Colony.
- (2) Kartickpur Dispensary.
- (3) Babughat Dispensary.

*Nadia.*

- (4) Ranaghat Women's Camp Dispensary.

*Burdwan.*

- (5) Kanksa Dispensary.
- (6) Bogra Dispensary.
- (7) Ratibati Dispensary.
- (8) Salampore Dispensary, Burdwan Camp I.
- (9) Salampore Dispensary, Burdwan Camp II.
- (10) Salampore Dispensary, Burdwan Camp III.
- (11) Ramchandrapur Dispensary, Burdwan.
- (12) Kashipur Dispensary, Burdwan.
- (13) Thik-hai Club Dispensary, Burdwan.
- (14) Gopalpur Dispensary, Burdwan.

(C) **Diseases of the eye.**—A total number of 308,473 different eye diseases were treated in Calcutta and mufassil hospitals and dispensaries as against 386,517 cases in the preceding year.

There was no separate Eye Hospital in the State but facilities for the treatment of eye diseases were available in the following hospitals:—

	Beds.
(1) Eye Infirmary Medical College Hospital .. ..	130
(2) Nilratan Sarkar Medical College Hospital .. ..	26
(3) Smabhu Nath Pandit Hospital, Calcutta .. ..	46
(4) General Hospital, Howrah (no separate beds were available but cases were treated in the Surgical Ward).	
(5) Suri Sadar Hospital .. ..	4
(6) Bankura Sammilani Medical School and Hospital ..	12
(7) General Hospital, Jalpaiguri .. ..	14
(8) Berhampore Sadar Hospital .. ..	28
(9) Walsh Hospital, Serampore .. ..	9
(10) Fraser Hospital, Burdwan .. ..	9
(11) R. G. Kar Medical College and Hospital .. ..	38
(12) Upendra Nath Mukherjee Memorial Hospital, Calcutta	2
(13) Islamia Hospital, Calcutta .. ..	9
(14) Mayo Hospital, Calcutta .. ..	11

Chittaranjan Seva Sadan, Calcutta, also maintained an out-patient Department on ophthalmology for women and children but there was no arrangement for indoor patient.

Three Travelling Eye Dispensaries subsidised by Government worked in the State and carried out measures in treatment of cases of eye diseases and in prevention of blindness.

(D) **Mental Hospital.**—There was no Government Mental Hospital in West Bengal. The State maintained 650 beds in the two Mental Hospitals—Indian Mental Hospital, Kanke and Inter-State Mental Hospital, Ranchi. There was however, one mental observation ward at Bhawanipur, Calcutta. Here patients were detained for observation and declared insane before they were sent to Ranchi Hospital.

The following mental hospitals run by private organisations functioned in the State during the year under report:—

	Beds.
(1) Mental Hospital, Mankundu, district Hooghly ..	60
(2) Lumbini Park Mental Hospital, district 24-Parganas ..	50
(3) Dum Dum Unmad Ashram .. .. .	80

The Medical College Hospital, Calcutta, and the R. G. Kar Medical Hospital in the city maintained psychiatric clinic each during the year under report.

A total of 2,870 mental cases were treated at Calcutta and mufassil hospitals during 1952.

(E) **Venereal Diseases.**—During the year under review 22 V.D. Clinics were run by the State. Of these 12 were in the metropolis and 10 in the districts. These were attached to the Out-patients Departments of the different hospitals—Governmental as well as non-Governmental.

The V.D. Clinis in Calcutta were attached to the following institutions:—

(1) Medical College Hospitals (male and female) ..	2
(2) Nilratan Sarkar Hospital (male and female) ..	2
(3) Sambhu Nath Pandit Hospital (male and female) ..	2
(4) Lady Dufferin Victoria Hospital (female) .. ..	1
(5) R. G. Kar Medical College Hospital (male and female) ..	2
(6) Calcutta National Medical Institute (male and female) ..	2
(7) Chittaranjan Seva Sadan (female) .. ..	1
	<hr/> 12 <hr/>

The V.D. Clinics attached to district Hospitals were as follows:—

(1) Howrah General Hospital .. .. .	2
(2) Walsh Hospital, Serampore .. .. .	2
(3) Fraser Hospital, Burdwan .. .. .	2
(4) K. E. M. Hospital, Midnapore .. .. .	2
(5) Victoria Hospital, Darjeeling .. .. .	2
	<hr/> 10 <hr/>



Sanction was received for starting of four V.D. Clinics—one in each of the districts: (1) Jalpaiguri, (2) Nadia, (3) Bankura and (4) 24-Parganas (in Kakdwip). Of these, clinics in Jalpaiguri and Nadia were started late in the year under review.

The number of V.D. patients treated in the different clinics during the year totalled to 257,258 against 241,653 in 1951, 200,972 in 1950 and 227,062 in 1949.

Of the patients treated during the year under review 40,690 were new cases and of them 15,104 were women against 7,921 in 1951.

The classification of the new cases into different categories of profession in life is stated below:—

Male.				Female.			
Business	..	..	5,455	Prostitutes	..	..	1,530
Clerks, Shop Assistants	..	..	3,306	Housewives	..	..	11,082
Students	..	..	1,436	Office workers	..	..	204
Domestic Servants	..	..	4,094	Students	..	..	315
Office peons	..	..	10,734	Labourers	..	..	760
Labourers	..	..	561	Domestic Maid servants	..	..	946
Dependents	..	..		Dependents	..	..	267
			<u>25,586</u>				<u>15,104</u>

Further classification of the new cases is shown below:—

(1) *Age and Sex.*

Children (male)	..	..	..	..	561
Children (female)	..	..	..	..	1,680
Adult (male)	..	..	..	..	25,025
Adult (female)	..	..	..	..	13,424
					<u>40,690</u>

(2) *Marital Status:—*

Married (male)	..	..	..	..	16,561
Married (female)	..	..	..	..	11,640
Unmarried (male)	..	..	..	..	9,025
Unmarried (female)	..	..	..	..	3,464
					<u>40,690</u>

(includes 412 cases of expectant mothers with syphilis).

(3) *Types of V. D. cases:—*

Gonorrhoea	..	..	..	..	8,963
Syphilis	..	..	..	..	12,881
Chancroid	..	..	..	..	1,298
Gonorrhoea and syphilis	..	..	..	..	3,237
Other diseases of Venereal origin	..	..	..	..	14,311
					<u>40,690</u>

The number of arsenicals injected during 1952 is 37,426 against 36,008 of 1951 and 36,313 of 1950.

The UNICEF donated 4,000 c.c. Penicillin were used in Medical College Hospital V.D. Clinics in 1940 injections.

The Serological Laboratory examined free of charge specimen blood for Kahn, Meinicke, V.R.R.L. Cordiolipin and W.R. tests. The number of samples examined for the purpose were 29,099 of which 8,082 samples were positive.

The Pay Clinic System introduced in the year 1951 for diagnosis, periodical checks and complete course of confidential treatment on payment of Rs. 15 was working well in four hospitals, viz., Medical College Hospital, Sambhu Nath Pandit Hospital, Lady Dufferin Hospital and R. G. Kar Medical College Hospital, Calcutta.

Active medical social work was carried on in the V.D. Clinics of some of the State Hospitals by eight social workers. During the year under review the social workers visited the homes of 1,125 defaulting V.D. Cases. Of these 706, cases were registered as successful.

(F) **Tuberculosis of lungs.**—The problem of pulmonary tuberculosis was tackled with on two fronts—

(i) by preventive measures through B.C.G. Campaign,

(ii) by curative measures through treatment as indoor or outdoor patients in different Chest Clinics, Tuberculosis Hospitals, Sanatoria or T.B. Wards attached to Sadar Hospitals at district headquarters.

(i) Activities in connection with B.C.G. Campaign have been dealt with in Chapter I.

(ii) *Curative measures.*—Every attempt was made for widening the scope of treatment of patients suffering from pulmonary tuberculosis at the nearest Chest Clinic, T.B. Hospital or T.B. Ward attached to the Sadar Hospital at the district headquarters. As 67 per cent. to total deaths from pulmonary tuberculosis recorded in urban areas occurred at Calcutta, a domiciliary treatment service was organised in the city.

During the year under review 19 Chest Clinics functioned in the State, out of which 16 clinics were run in collaboration with the Bengal Tuberculosis Association, two Clinics maintained under the auspices of the organisation named “Niramoy” and one was run by Tuberculosis Relief Association. A full list of these Chest Clinics with their locations is given below :—

#### *Chest Clinics at Calcutta.*

- |   |   |
|---|---|
| (1) Chest Clinic attached to Medical College Hospital<br>(Government Institution).            | Affiliated to Bengal Tuberculosis<br>Association. |
| (2) Chest Clinic attached to Medical College Hospital,<br>Belgachia.                          | Ditto.<br>Ditto.                                  |
| (3) Chest Clinic attached to Chittaranjan Hospital,<br>24, Gorachand Road, Entally, Calcutta. | Ditto.  |
| (4) Chest Clinic attached to Islamia Hospital, 73,<br>Chittaranjan Avenue, Calcutta.          | Ditto.  |
| (5) Chest Clinic attached to Servants of Humanity<br>Society, 94, Park Street, Calcutta.      | Ditto.  |



(6) Chest Clinic attached to Daridra Bandhab Bhandar, 105/1, Raja Dinendra Street, Calcutta.	Ditto.
(7) Chest Clinic of the Calcutta Corporation, 6, Monsatola, Lane, Kidderpore.	Ditto.
(8) Chest Clinic of the Marwari Relief Society, 391, Upper Chitpur Road, Calcutta.	Ditto.
(9) Chest Clinic of Niramoy at P-23, Ganesh Chandra Avenue, Calcutta.	Not affiliated to Bengal Tuberculosis Association.
(10) Chest Clinic of Niramoy at 167, Russa Road, Bhowanipore, Calcutta.	Ditto.
(11) Chest Clinic of Tuberculosis Relief Association, 73, Dharamtolla Street, Calcutta.	Ditto.

*Chest Clinic outside Calcutta.*

(12) Chest Clinic attached to Hooghly District Tuberculosis Association, Serampore (Hooghly).	Government aided.	Affiliated to Bengal Tuberculosis Association.
(13) Chest Clinic attached to Imamberia Hospital, Chinsurah.	Ditto ..	Ditto.
(14) Chest Clinic attached to Fraser Hospital, Burdwan.	Ditto ..	Ditto.
(15) Chest Clinic attached to Budge Budge Municipal Hospital, Budge Budge (24-Parganas).	Ditto ..	Ditto.
(16) Chest Clinic attached to Midnapore Sadar Hospital, Midnapore.	Ditto ..	Ditto.
(17) Hemendra Narayan Chest Clinic attached to Berhampore Sadar Hospital, Berhampore, Murshidabad.	Ditto ..	Ditto.
(18) Chest Clinic attached to Darjeeling Municipality	Ditto ..	Ditto.
(19) Chest Clinic attached to Howrah General Hospital, Howrah.	Ditto ..	Ditto.

The State continued to sanction recurring grant towards the maintenance of six Home Visitors—one in each of the six Chest Clinics mentioned above against serial Nos. 12, 14, 15, 16, 17 and 18, *i.e.*, located at Serampore, Burdwan, Budge Budge, Midnapore, Berhampore and Darjeeling.

The reports of 15 such Chest Clinics on their activities during the year under review could be obtained which are summarised as follows:—

(a) Number of new cases examined	.. ..	54,718
(b) Number of old and new cases examined	.. ..	194,839
(c) Number of Pulmonary T. B. cases diagnosed	.. ..	8,086
(d) Cases of other forms of T. B. cases diagnosed	.. ..	428
(e) Fleuroscopy examinations	.. ..	39,376
(f) Skiagraphy examinations	.. ..	30,834
(g) Sputum examination	.. ..	23,223
(h) Sputum found positive (A.F.B.)	.. ..	3,016
(i) Other laboratory examinations	.. ..	23,765
(j) Home visits by Tuberculosis Health Visitors	.. ..	35,550

**Domiciliary Treatment.**—Domiciliary treatment service was continued in Calcutta during the year under report by the Bengal Tuberculosis Association as well as by the State. The Medical Officer, attached to the Service carried out domiciliary treatment on 142 tuberculosis cases at home free of charge and made 2,785 home visits. The Association formed a Care Committee for the patients of North Calcutta area attending the Chest Clinics. The Committee raised some funds to help the tuberculosis patients. Special drugs like streptomycin and P.A.S. and powdered milk were distributed to deserving indigent patients free of charge.

**Tuberculosis Hospital.**—The State Government have been maintaining a T.B. Hospital at Kanchrapara which had 600 beds during the year under review. There was also provision in this hospital for the treatment of 100 displaced T.B. patients. Another new T.B. Sanatorium was opened at Digri in the district of Midnapore entirely at the cost of Government. Its present bed strength was 98. This Sanatorium will be a 200-bedded hospital. Government maintained the cost of 100 T.B. beds at the K. S. Ray Hospital, Jadavpur. A T.B. ward consisting of 24 beds was attached to the Medical College Hospital, Calcutta. A 100-bedded T.B. hospital functioned at Beliaghata for the treatment of refugee T.B. patients. A list of tuberculosis hospitals and sanatoria with their respective bed strength in 1952 is given below:—

	Beds.		
(1) Kanchrapara T. B. Hospital .. ..	..	..	600
(2) M. R. Bangur Sanatorium, Digri, Midnapore ..	..	..	98
(3) Beliaghata T. B. Hospital, Calcutta .. ..	..	..	100
(4) Suresh Sarkar Road A. G. Hospital, Calcutta ..	..	..	175
(5) T. B. Ward, Calcutta Medical College, Hospital ..	..	..	24
(6) T. B. Ward for prisoners attached to Jail Hospital, Suri, Birbhum.			30
(7) K. S. Ray, T. B. Hospital, Jadavpur .. ..	..	..	476
(8) Patipukur T. B. Hospital attached to Jamini Bhusan Astanga Ayurvedic College Hospital, Calcutta.			82
(9) S. B. Dey Sanatorium, Kurseong .. ..	..	..	150
(10) Lewis Jubilee Sanatorium, Darjeeling .. ..	..	..	8
(11) Clarks T. B. Hospital, Darjeeling .. ..	..	..	20
(12) T. B. Ward at J. B. Hospital, Cooch Behar ..	..	..	25
(13) T. B. Ward in R. G. Kar Medical College, Calcutta ..	..	..	20
(14) T. B. Ward in Islamia Hospital, Calcutta .. ..	..	..	2
(15) Burdwan Fraser Hospital .. ..	..	..	24
(16) Howrah General Hospital .. ..	..	..	6
(17) Jalpaiguri Sadar Hospital .. ..	..	..	10
(18) Hooghly Sadar Hospital .. ..	..	....	2
(19) Midnapore Sadar Hospital .. ..	..	..	4
(20) Krishnagar Sadar Hospital .. ..	..	..	3
(21) Bankura Sadar Hospital .. ..	..	..	4



(22) Suri Sadar Hospital .. .. .	4
(23) Berhampore Sadar Hospital .. .. .	6
(24) Kurseong Subdivisional Hospital .. .. .	20
(25) Serampore Chest Clinic .. .. .	6
(26) Berhampore Chest Clinic .. .. .	6
Total ..	<u>1,905</u>

*Special facilities for the treatment of refugees tuberculosis patients.*

(1) *Diagnostic Treatment Service*.—Cases referred by the Relief and Rehabilitation Department were examined with X-ray (Screening and Skiagraphy) free of charge.

(2) *Domiciliary Treatment Service*.—This has already been mentioned before. For this service, a Medical Officer, a nurse and a peon were appointed for this purpose.

(3) *Outdoor Clinic at K. S. Roy T.B. Hospital, Jadavpur*.—A part-time Medical Officer was appointed for the purpose.

(4) Indoor treatment of refugee T.B. cases.—

(i) K. S. Roy T. B. Hospital, Jadavpur .. .. .	50
(ii) Kanchrapara T. B. Hospital, Kanchrapara .. .. .	100
(iii) Beliaghata T. B. Hospital, Calcutta .. .. .	100
(iv) Medical College Hospital, Calcutta .. .. .	10
(v) Dhubulia Relief Camp Hospital, T. B. Ward .. .. .	25
(vi) M. R. Bangur T. B. Sanatorium, Digri, Midnapore .. .. .	20
	<u>305</u>

These beds were reserved for refugee T.B. patients.

(G) **Anti-leprosy Campaign**.—Leprosy is more prevalent in western part of the State than in its northern and eastern parts. Bankura is the worst affected district followed by Burdwan, Midnapore and Birbhum. The incidence is also moderately high in Murshidabad, Malda, Jalpaiguri and Darjeeling.

The State maintained a leprosy colony at Gouripore in the district of Bankura with the ultimate object to raise its bed strength to 500 within the next few years. During the year under review, the total number of beds maintained was 212 and 100 more beds were under construction. During 1952-53, a total amount of Rs. 3,61,000 was spent for the Gouripore Leprosy Colony, Rs. 2,04,000 spent for new construction (under budget head “50—Civil Works”) and Rs. 1,57,000 towards its maintenance cost (under budget head “39—Public Health”). The total expenditure incurred for the colony up to 1952-53 amounted to Rs. 14,44,000 of which Rs. 10,24,000 was spent for new construction (under budget head “50—Civil Works”) and Rs. 4,20,000 towards its maintenance cost (under “39—Public Health”).

*Four Leprosy Clinics.*—Three attached to Sadar Hospitals at Howrah, Krishnagar (Nadia) and Berhampore (Murshidabad) and one Municipal Clinic at Burdwan were provincialised. During the year under review, the first named three clinics have been taken over for improvement by making separate provision for trained staff, medicines and equipment as well as for improvement of the existing structures of the clinics.

Out of 92 clinics spread over different districts, the State maintained five leprosy clinics, the local bodies 69 clinics and other local committees and Associations 18 clinics. Fortyone leprosy clinics run by local bodies and local association received grants-in-aid from the State under Government Anti-Leprosy Scheme which totalled to Rs. 9,280 during the year 1952-53.

Besides, two leprosy clinics at Calcutta known as Premananda Leprosy Clinics run by a local committee received grants-in-aid of Rs. 5,001 from the State during 1952-53.

Other leprosy institutions including leprosy homes, hospitals and colonies received grants-in-aid from the State. Names of those institutions with grants received by them are furnished below:—

For 1952-53.									
Annual grant.				Capitation grant.			Total.		
		Rs.	a.	p.		Rs.	a.	p.	
Bankura Leprosy Home	..	....			21,244	0	0	21,244	0 0
Raniganj Leprosy Home	..	306	0	0	11,488	0	0	11,794	0 0
Silda Leprosy Colony	..	....			3,176	0	0	3,176	0 0
Kalimpong Leprosy Colony	..	....			9,600	0	0	9,600	0 0
Albert Victor Leprosy Hospital	..	1,80,000	0	0	..			1,80,000	0 0
		1,80,306	0	0		45,508	0	0	2,25,814 0 0

The Hind Kust Nivaran Sangha received Rs. 10,000 as grants-in-aid from the State during the same year for carrying out anti-leprosy measures, such as propaganda and publicity leprosy-Survey etc., in different parts of the State.

A total cases of 48,427 patients (both old and new) were treated in different leprosy institutions of the State during the year under report.



## Chapter VII

### INCOME AND EXPENDITURE OF HOSPITALS AND DISPENSARIES.

**Finance—Income.**—Excluding the opening balance, the total income of the Calcutta Institutions under Classes I, III and IV amounted to Rs. 96,67,136 in 1952 as against Rs. 1,07,69,272 of the previous year and that of mufassil institutions under Classes I, III and IV including the subsidised, amounted to Rs. 31,99,070 in 1952 as against Rs. 30,96,705 in the preceding year. The receipts under different heads are shown below:—

				For 1952 Amount.	
				Calcutta.	Mufassil.
				Rs.	Rs.
(1) Government contributions	..	..	..	67,59,089	18,31,070
(2) Local and municipal fund contributions	..	..	..	2,46,779	9,46,451
(3) Fees and contributions from patients	..	..	..	18,40,202	2,17,966
(4) Funds collected by hospital committees, etc				2,98,272	81,067
(5) Miscellaneous	..	..	..	5,22,794	1,22,516
Total				96,67,136	31,99,070

**Expenditure.**—The total expenditure of the Calcutta hospitals and dispensaries under Classes I, III and IV during the year under report was Rs. 95,33,242 as against Rs. 1,07,69,416 in the previous year and that of mufassil hospitals and dispensaries of the above categories including the subsidised was Rs. 31,27,021 as against Rs. 29,84,470 in the previous year. The expenditure under different heads is tabulated below:—

				For 1952, Amount.	
				Calcutta.	Mufassil.
				Rs.	Rs.
(1) Salaries	..	..	..	32,54,453	17,68,500
(2) Medicine	..	..	..	14,89,085	4,01,780
(3) Diet	..	..	..	20,49,037	4,98,743
(4) Aparatus	..	..	..	2,31,285	18,150
(5) New buildings, additions etc.	..	..	..	6,11,980	7,738
(6) Repairs to buildings	..	..	..	4,03,640	50,076
(7) Miscellaneous	..	..	..	14,93,762	3,82,034
Total				95,33,242	31,27,021

## Chapter VIII

### MATERNITY AND CHILD WELFARE.

The Maternity and Child Welfare Services were in operation both in the urban and rural areas of the State of West Bengal. The Lady Health Visitors of the Maternity and Child Welfare Centres made home visits, conducted clinic work, carried on health education work and performed other services with a view to promoting the health of the women folk and children of their respective areas. In the Maternity and Child Welfare Centres there were arrangements for ante-natal and post-natal care of mothers and care of children as well.

The following were the strength of Maternity and Child Welfare Centres during the year under report, run out of the expenses met from the budget head "39—Public Health".

Under other scheme.	Urban.	Rural.
Managed by local Committees with aid from Government ..	15	5
<i>Under Development Scheme.</i>		
Managed by local Committees with aid from Government ..	6	7
Entry under Government control .. .. .	1	2
Under Cooch Behar Maternity and Child Welfare Scheme (Government).	1	..
Total ..	23	14

**Personnel.**—One Lady Health Visitor was attached to each of the 37 Maternity and Child Welfare Centres in addition to one midwife and one dai to each of the two Maternity and Child Welfare Centres at Ariadah (24-Parganas) and at Bagda (Midnapore). Government paid contribution as grant-in-aid towards their salaries. Besides the above mentioned staff provided at Government cost, the following staff were maintained by the local committees. Expenditure towards emoluments of those staff was met from the local resources :—

Doctors	..	7 attached to	5 Maternity and Child Welfare Centres.
Midwives	..	22 attached to	14 Maternity and Child Welfare Centres.
Dais ..	..	36 attached to	23 Maternity and Child Welfare Centres.
Nurse ..	..	7 attached to	4 Maternity and Child Welfare Centres.

Besides the above, durwan, sweeper, Rickshaw puller etc., were also maintained by the local committees. Most of the doctors rendered honorary services to the Maternity and Child Welfare Centres.

The number of dais who were in practice during 1952 within the limits of the Maternity and Child Welfare Centres are as follows :—

				In rural area.	In urban area.
Trained	..	..	..	81	114
Untrained	..	..	..	124	72



**Finance.**—During the year 1952-53, the following allotments were provided in the budget for expenditures towards Maternity and Child Welfare Work :—

	Rs.
Development Programme, Maternity and Child Welfare Scheme	1,00,000
Other scheme for establishment of Maternity and Child Welfare Centres.	38,000
Other grants for Maternity and Child Welfare Work ..	15,300

Expenditure incurred by the Government on Maternity and Child Welfare work out of the above mentioned allotments, was as follows :—

	Rs.	a.	p.
Under development scheme .. .. .	36,910	9	0
Under other scheme .. .. .	34,955	15	0
Grants for Maternity and Child Welfare Work ..	13,560	0	0

A sum of Rs. 7,368-7-9 was spent by Government for work in the Cooch Behar Maternity and Child Welfare Centre.

In addition to the expenditure incurred by Government as shown above a total amount of Rs. 1,83,334-12-0 was spent by the local committees or local bodies for the maintenance of different non-Government Maternity and Child Welfare Centres.

**Activities.**—The following number of visits were made by the Lady Health Visitors during the year under review :—

				At homes of mothers.	At the clinics.
Ante-natal 1st visit .. .. .	..	..	..	8,261	7,375
Ante-natal revisit .. .. .	..	..	..	20,115	9,230
Post-natal 1st visit .. .. .	..	..	..	7,240	2,751
Post-natal revisit .. .. .	..	..	..	9,225	4,312
Infants 1st visit .. .. .	..	..	..	10,475	3,153
Infants revisit .. .. .	..	..	..	28,321	9,095
Toddlers 1st visit .. .. .	..	..	..	4,985	2,248
Toddlers revisit .. .. .	..	..	..	18,304	2,944

Population served by each centre during the year 1952 was as follows :—

In rural areas .. .. .	..	..	..	..	11,000 (approximately)
In urban areas .. .. .	..	..	..	..	38,000 (approximately)

The following number of maternity beds were provided in the Maternity and Child Welfare Centres during the year under report:—

					In rural area.	In urban area.
Free	..	..	..	..	17	43
Paying	..	..	..	..	2	71

The number of delivery cases conducted at homes and at the centres by the centre staff were as follows:—

					Rural.	Urban.
At homes	..	..	..	..	928	2,170
At the centres		..	..	..	571	3,783

During the year under report milk distribution work was done in the Maternity and Child Welfare Centres. The number of mothers and children supplied with milk is shown below:—

Mothers	..	..	..	..	..	46,804
Children		..	..	..	..	1,39,020

#### Number of deliveries attended by—

					Rural.	Urban.
(1) Doctors	..	..	..	..	46	1,202
(2) Midwives		..	..	..	69	2,916
(3) Trained dais		..	..	..	966	1,460
(4) Untrained dais		..	..	..	401	504
(5) Relatives		..	..	..	207	193

In most of the cases infant mortality was mainly due to pneumonia, dysentery, prematurity, etc.



## Chapter IX

### NURSING.

An appreciable improvement was noticeable in the Nursing condition of West Bengal during the year under report. Total number of nursing personnel employed in different hospitals—permanent and temporary—came up to about 3,100 persons against 2,000 in 1951.

During the year, 1952, educated girls including a considerable number of displaced girls were recruited for nursing and midwifery training both in senior and junior courses in the different institutions recognised by the West Bengal Nursing Council. A total number of 538 candidates including untrained nurses were admitted into different institutions (mentioned in the list in page No. 56) for training in nursing and midwifery out of whom 416 came out successful during the year under report.

Burdwan Fraser Hospital Training Centre included in the said list imparted training to 95 untrained nurses.

Two of the proposed four international Sister Tutors worked satisfactorily under the M.C.H. Scheme of World Health Organisation Project during the year under review.

It is very interesting to note that the girls of well-to-do families were found to be coming forward to take nursing training with the object to serve the suffering humanity.

### Higher Course of Nursing.

1. One Miss L. N. Biswas was due to return in 1952 but she returned in January 1953 after completing her training in general nursing and midwifery in United Kingdom and was posted in the Presidency General Hospital as a staff nurse.

2. The following girls completed B.Sc. (Hons.), Nursing Course at New Delhi and returned in 1952:—

(1) Miss Ila Ghosh.

(2) Miss Maya Ganguly.

Both of them were employed as Staff Nurse in the Medical College Hospitals. Of the other two students, one discontinued her study and the last one got plucked in the final examination and as such was due to return in July 1953.

3. Four girls mentioned below were selected and sent to the College of Nursing, New Delhi to study B.Sc. (Hons.), Nursing Course with scholarship awarded by the State Government for four years:—

(1) Miss Reena Sen.

(2) Miss Santi Chakravarty.

(3) Miss Bela Rani Chatterjee.

(4) Miss Jyoti Mukhopadhyaya.

4. The following nurses were sent to the College of Nursing, New Delhi, for training in Nursing Administration and Sister Tutor Course during the year under report, with scholarship awarded by the State Government:—

- (i) Miss A. M. Lepcha.
- (ii) Miss K. Lyngodh.
- (iii) Miss Bijon Biswas.

Of these three, Miss Lyngodh left her studies and subsequently resigned from her post as nurse.

5. The following nurses who were sent for higher training in New Delhi and Madras, returned after successful completion of their studies during the year under report. They were posted to hospitals noted against each:—

Name.	Passed training from	Where posted.
(1) Miss N. B. Dey	.. Sister Tutor Course, Delhi ..	N. R. Sarkar Hospital (as Sister Tutor).
(2) Miss C. Areng	.. Ditto ..	.. Medical College Hospital (as Staff Nurse).
(3) Miss A. Thomy	.. Ditto ..	.. Ditto.
(4) Miss E. Pope	.. Nursing Administration, Madras.	Medical College Hospital (as Sister).
(5) Miss I. Biswas	.. Ditto ..	.. Burdwan Fraser Hospital (as Sister Tutor).

1. **Kanchrapara T.B. Hospital.**—Five Sisters resigned their posts during the year under review. Attempts were made to fill up these vacancies but no suitable candidates could be available even on advertisement. Recently however, one vacancy was filled up by promotion of a staff nurse from the R. G. Kar Medical College Hospital to the post of one of the Sisters. It has been experienced that trained nurses are generally averse to serve in a T.B. Hospital. In spite of this difficulty, other nursing personnel had to be posted to meet the increased demand of this hospital due to opening of 100 more beds for refugees. Expenditure for these additional beds was borne by the Government of India. However, the work of this hospital was carried on smoothly.

2. **M. R. Bangur (Digri) Sanatorium.**—This Sanatorium was started in 1950 with 50 beds only but the number of beds came up to 98 at the end of the year under report. The number of nurses posted there had therefore to be increased.

3. **Beliaghata T. B. Hospital.**—Expenditure of this hospital was borne by the Government of India although the arrangement for posting of nurses was made by the State Government, work of this hospital was carried on smoothly.



*A statement showing the numbers of new admissions into different Nursing Institutions as well as the numbers of successful trainees is furnished below.*

### GOVERNMENT INSTITUTION.

Name of Institution.	Nature of training.			Number admitted.	Number qualified.
1. Medical College Hospital ..	Senior Midwifery ..			32	34
	Junior Midwifery ..			4	12
	General Nursing ..			87	22
2. Lady Dufferin Victoria Hospital	Ditto ..			22	11
	Midwifery ..			20	21
3. N. R. Sircar Hospital ..	Junior Nursing ..			32	41
	Senior Midwifery ..			..	2
	Junior Midwifery ..			..	28
4. Presidency General Hospital ..	Senior Certificated Course (General Nursing).			19	15
5. Sambhunath Pandit Hospital ..	Junior training ..			10	8
6. Victoria Hospital, Darjeeling ..	Senior training ..			2	1
	Junior training ..			3	1
7. Burdwan Fraser Hospital ..	Assistant Nurses-cum-Midwives Course.			95	84
				<u>326</u>	<u>280</u>

### PRIVATE INSTITUTION.

Name of Institution.	Nature of training.			Number admitted.	Number qualified.
1. R. K. Mission Sishumangal Prasthnan.	Senior Midwifery ..			21	15
	Junior Midwifery ..			27	27
2. Chittaranjan Seva Sadan ..	Senior Midwifery ..			49	32
	Junior Midwifery ..			41	10
3. Calcutta Medical School and Hospital.	Junior Nursing ..			8	8
4. R. G. Kar Medical College Hospital.	Senior Nursing ..			3	1
	Junior Nursing ..			15	6
	Senior Midwifery ..			1	1
	Junior Midwifery ..			13	9
5. Baldeodas Maternity Home Nilmoney Mittra Street.	Senior Midwifery ..			1	1
	Junior Midwifery ..			7	7
6. Chittaranjan Hospital ..	Junior Nursing ..			6	6

Name of Institution.	Nature of training.		Number admitted.	Number qualified.
7. Scott's Mission Hospital, Kalim- pong.	Senior Midwifery	..	1	1
	Junior Midwifery	..	1	..
	Senior Nursing ..	..	..	..
	Junior Nursing ..	..	2	1
8. London Missionary Hospital, Jia- ganj.	Senior Nursing ..	..	1	..
	Junior Nursing ..	..	5	3
	Senior Midwifery	..	1	4
	Junior Midwifery	..	4	4
9. Santal Mission Hospital, Serenga	Junior Nursing ..	..	2	2
10. Charteris Mission Hospital Kalim- pong.	Senior Midwifery	..	1	..
	Junior Midwifery ..	..	2	1
			<hr/> 212	<hr/> 136
Grand Total—Senior and Junior Nursing (both Government and non-Government).			<hr/> 538	<hr/> 416



## Chapter X

### MEDICAL INSPECTION OF SCHOOL CHILDREN AND SCHOOL HYGIENE WORK

Report on School Hygiene work under the Directorate of Health Services comprises the following:—

1. **In Calcutta.**—The School Medical Inspection in Government and Government aided Secondary Schools for boys was carried out by the two School Medical Officers. They examined 4104 boys in 11 new Schools and found 24 per cent. of the boys examined, defective. The chief defects of the school children in order of frequency were (a) poor health due to malnutrition, (b) defective vision, (c) caries tooth, (d) enlarged tonsils and (e) skin diseases.

#### *Report on follow-up of defective School Children.*

(1) Number of houses visited by the School Nurse	..	702
(2) Number of houses revisited	.. ..	361
(3) Number of defective boys contacted	.. ..	442
(4) Number of houses where health talks were given	..	702

#### *Measures for correction of defects.*

Twenty-five pairs of spectacles were supplied free to the deserving boys having defective eyesight. Free advice and prescriptions were given to all other defective children. The dental and other specialised cases were advised to attend the established hospitals in different quarters at Calcutta.

#### *Average height and weight with the number of boys examined in different age groups.*

Age.			Number of boys examined.	Average weight (in lbs.)	Average height (in inches).
5—6	..	..	276	40·5	43·5
6—7	..	..	370	42·8	44
7—8	..	..	366	48·5	47·8
8—9	..	..	412	51·2	52
9—10	..	..	421	57·5	52·8
10—11	..	..	434	61·5	53·5
11—12	..	..	470	67·3	54·6
12—13	..	..	430	78	56·5
13—14	..	..	412	79	61
14—15	..	..	312	93	62·5
16—Over	..	..	201	101	63·5

2. **In Municipalities.**—Only four municipalities sent their reports. The result of medical examination of the school children of the four municipalities is given below:—

1. Total number of boys examined	..	..	1,495
2. Total number of boys notified for defects	..	..	102
3. Total number of boys kept under medical observation	..	..	89

Nature of defects or diseases detected—

(i) Poor health (chiefly due to malnutrition)	..	..	109
(ii) Diseases of eye—			
(a) Defective vision	..	..	44
(b) Conjunctivities	..	..	2
(c) Squint	..	..	1
(iii) Diseases of mouth and throat—			
(a) Enlarged tonsils	..	..	73
(b) Adenoids	..	..	18
(c) Caries tooth	..	..	80
(d) Pyorrhoea Alveolaris	..	..	7
(iv) Diseases of Ear—			
(a) Otorrhoea	..	..	6
(b) Defective hearing	..	..	1
(v) Diseases of lungs—			
(a) Bronchitis	..	..	5
(b) Other respiratory defects	..	..	6
(vi) Diseases of heart—			
(a) Functional	..	..	10
(b) Organic	..	..	Nil
(vii) Diseases of Skin—			
(a) Ringworm	..	..	2
(b) Scabies	..	..	7
(viii) Stammering—			
(a) Defective	..	..	9
(ix) Enlarged spleen	..	..	2
(x) Enlarged liver	..	..	2
(xi) Without pock mark or vaccination	..	..	260
(xii) Diseases of nose—			
(a) Rhinitis	..	..	5



(*civ*) Average height and weight with the number of boys examined with their ages—

Age.	Number of boys examined.	Weight in lbs.	Height in inches.
4	35	36	39
5	33	38	42
6	56	40	44
7	98	43	45
8	104	46	46·95
9	224	50	47·85
10	68	54	49·4
11	74	60	52
12	173	74	54
13	187	85	55
14	227	93	57·5
15	104	98	59
16 and over	112	104	61

3. **In Rural Health Centres.**—23,731 school children in 473 schools through 99 Health Centres were examined by the Rural Medical Officers of Health. They found 23·7 per cent. of the children examined, defective. The chief defects of the school children in order of frequency are (*a*) Malnutrition, (*b*) Caries tooth, (*c*) Defective vision, (*d*) Enlarged tonsil, (*e*) Malaria, (*f*) Gastro-intestinal disorders and (*g*) Skin diseases.

4. **In rural areas under district board.**—The Sanitary Inspectors of 10 district boards carried out school hygiene work with particular attention to recording the heights and weights of the children and undertook the prophylactic measures, viz., vaccination against small-pox, preventive inoculation against cholera, and anti-malaria work shown in Statements I and II in page Nos.

The district boards of Jalpaiguri and Darjeeling sent detailed report on medical examination of school children. The results are given below:—

1. Total Number of children examined	..	..	3,658
2. Nature of defects or diseases—			
(i) Defective vision	..	..	10
(ii) Conjunctivitis	..	..	24
(iii) Squint	..	..	3
(iv) Enlarged Tonsils	..	..	32
(v) Teeth and Gum	..	..	138
(vi) Unclean teeth	..	..	95
(vii) Pyorrhoea	..	..	1

(viii) Spongy Gum	..	..	..	..	1
(ix) Carious teeth	..	..	..	..	81
(x) Rhinitis	..	..	..	..	70
(xi) Otorrhoea	..	..	..	..	12
(xii) Uncleanliness	..	..	..	..	150
(xiii) Ringworm	..	..	..	..	7
(xiv) Scabies ..	..	..	..	..	64
(xv) Nutrition—					
Good	..	..	..	..	282
Fair	..	..	..	..	753
Poor	..	..	..	..	251
(xvi) Malaria ..	..	..	..	..	129

*Average height and weight.*

Age.	Number of boys examined.	Average weight (in lbs.)	Average height (in inches).
4	2	36	33
5	157	39	36
6	356	40	41
7	464	44	43
8	474	48	44·5
9	408	52·5	46·5
10	424	58	48
11	344	63·5	49·5
12	330	72	52
13	262	78·5	54
14 and over	437	85·5	56



# STATEMENT I.

Statement showing School Hygiene Work done by the Sanitary Inspectors under District Boards during 1952.

District Boards.	No. of S. I.	No. of schools.	No. of students examined.	No. of schools examined.	Vaccination.		Spleen enlarged.	Eye defect.	Disease of ear.	Disease of teeth.	Disease of skin.	Anti Cholera inoculation works.
					Definite marks.	Un-vaccinated.						
Murshidabad	21	874	4,524	65	4,450	60	439	..	..	..	..	3,426
Hooghly	15	468	14,158	263	14,053	105	2,558	..	..	..	..	12,293
24-Parganas	39	..	8,446	170	7,365	389	975	..	..	..	..	6,532
Malda	11	197	1,302	24	1,247	45	83	..	..	..	..	367
Bankura	19	981	11,070	274	9,302	327	1,558	..	..	..	..	2,276
Jalpaiguri	12	396	2,693	71	2,565	128	622	2	1	205	63	..
West Dinajpur	11	285	2,494	97	2,063	192	539	..	..	..	..	672
Nadia	17	854	1,188	27	1,118	36	226	4	..	83	28	1,983
Midnapore	33	1,631	14,526	239	11,540	408	2,163	..	..	..	..	7,322
Burdwan	16	1,305	4,249	85	4,193	56	972	..	..	..	..	..
Total	194	6,930	64,650	1,365	57,896	1,746	10,135	6	1	288	91	34,871

District Boards.	Quinine prophylax.	Vaccinations.	Lantern lectures.	Vermin infection.	General cleanliness.	No. of schools with good water.
Murshidabad	5,915	4,520	....	47	Fair	....
Hooghly	13,787	13,691	....	87	Do.	....
24-Parganas	2,457	6,728	4	109	Good	....
Malda	407	991	....	7	Fair	....
Bankura	3,745	4,135	....	318	751	....
Jalpaiguri	....	1,982	....	65	Fair	130
West Dinajpur	2,722	1,948	....	41	Do.	....
Nadia	....	2,229	3	15	Do.	....
Midnapore	6,426	9,848	31	216	4,830	70
Burdwan	....	....	....	317	3,261	....
Total	35,459	46,072	38	1,219	8,842	200



## STATEMENT 2.

Average height and weight with the number of boys examined in different age groups by the Sanitary Inspectors under district boards.

Age.		Number of boys examined.	Average height (in inch).	Average weight (in lbs.).
4—5	..	185	38.4	34
5—6	..	2,898	40.16	35.83
6—7	..	5,594	41.8	38.18
7—8	..	6,478	44.27	42.07
8—9	..	7,316	46.9	46.146
9—10	..	7,566	48.53	49.22
10—11	..	8,035	50.12	55.239
11—12	..	6,746	52.68	58.88
12—13	..	7,169	53.92	64.77
13—14	..	4,741	56.68	73.31
14—15	..	2,761	58.11	80.17
15—16	..	1,684	59.48	86.2
16—17	..	908	61.8	91.17
17—18	..	643	62	96.74
18—19	..	464	62.02	101.96
19—over	..	163	63.82	108.12

## Chapter X(A)

## INDUSTRIAL HYGIENE.

The Industrial Hygiene Section was started in June, 1951, under an Assistant Director of Health Services especially trained in Industrial Hygiene. It is the newest section of the Directorate and was in the process of organisation at the beginning of the year under review.

About 30 mills and factories were inspected by the Assistant Director of Health Services (Industrial Hygiene) during the year under review. It was realised during these visits that the standard of health and welfare services and environmental conditions in large number of Factories needed improvement and proper medical inspection was essential. With a view to introducing this, three medical inspectors of factories are going to be appointed very soon under the Labour Department. who will work under the supervision of Assistant Director of Health Services (Industrial Hygiene) for their day to day work.

Besides study of health problems inside the factory, this section paid attention to the effects of industries on the environment outside the factory such as pollution of water or of the atmosphere etc. Local Bodies sought the advice of this section as regards their problem of environmental Hygiene due to industrial expansion. On personal investigation to almost all cases recommendation was given for improvements to which the local bodies and the factories concerned accepted. The Municipalities were advised as to the granting of licences to the establishment of new factories and mills.

This section has been entrusted with the work for implementation of the Medical Benefit Scheme under the Employee's State Insurance Act, 1948.

## Chapter XI

### MEDICAL AND PUBLIC HEALTH EDUCATION.

**I. M. B. B. S. Course.**—The following were the Medical College in West Bengal during the year 1952 for study of M.B.B.S. Course of the Calcutta University:—

Seats for the 1st year students.			
(i) Medical College, Calcutta (Government)	..	..	130
(ii) Nilratan Sircar Medical College (Government) (100 in June Session and 50 in November Session)	..	..	150
(iii) R. G. Kar Medical College Calcutta (non-Government)			111
(iv) National Medical Institute (College), Calcutta (non-Government)	..	..	100
			491

The seats were reserved for students hailing from other States in the following Medical Colleges:—

Seats.			
(i) Medical College, Calcutta	..	..	6
(ii) Nilratan Sircar Medical College, Calcutta	..	..	2
			8

**II. Condensed M. B. B. S. Course.**—Facilities were available for admission of students into the Condensed M. B. B. S. Course in the following Medical Colleges in this State:—

Seats.			
(1) Medical College, Calcutta (50 in June Session and 50 in November Session)	..	..	100
(2) R. G. Kar Medical College	..	..	100

**III. Licentiate Course.**—The following were the recognised Medical Schools in West Bengal for imparting training for the L. M. F. Course of the State Medical Faculty, West Bengal:—

- (1) Nilratan Sircar Medical School, Calcutta (Government).
- (2) Ronaldshay Medical School, Burdwan (Government).
- (3) Jackson Medical School, Jalpaiguri (Government).
- (4) Calcutta Medical School, Calcutta (non-Government).
- (5) National Medical Institute (School), Calcutta (non-Government).
- (6) Sammilani Medical School, Bankura (non-Government).

Admission of students in Medical Schools was discontinued since 1948.

**IV. Pharmacy Course.**—The Pharmacy Training Centre at Jalpaiguri where Licentiate course in Pharmacy of the State Medical Faculty, West Bengal is taught continued to function as usual. Fifty seats were available in the Centre during the year under report.



**V. Dressership Course.**—Facilities for training in Dressership Course of the State Medical Faculty, West Bengal, were available in the Sammilani Medical School and Hospital, Bankura during 1952. The available number of seats in the Course is 50 every year.

**VI. Research and Post-Graduate Training.**—The following Post-graduate and Research Institutions afforded facilities for training during the year under report:—

- (1) School of Tropical Medicine, Calcutta.
- (2) All-India Institute of Hygiene and Public Health, Calcutta.

The former imparted training of the following courses of the Faculty of Tropical Medicine, West Bengal:—

- (a) D. T. M. Course.
- (b) L. T. M. Course.

The All-India Institute of Hygiene and Public Health, Calcutta, provided advance courses in the various branches of Public Health and Hygiene and research facilities, viz.,—

- (a) D. P. H., (b) L. P. H., (c) D. Sc. (P. H.), (d) D. M. & C. W.,  
(e) Dip. Diet, (f) M. E. (P. H.), and (g) D. I. H.

There were arrangements for Post-Graduate training on various subjects in Laboratories of the Calcutta Medical College and School of Tropical Medicine, Calcutta, for a period not exceeding six months on payment of usual fees. There was also arrangement for Post-Graduate training in various wards of the Medical College Hospitals, for three months on payment of usual fees.

Diploma in Ophthalmic Medicine and Surgery and Diploma in Gynaecology and Obstetrics are taught in each of the Calcutta Medical College and R. G. Kar Medical College, Calcutta, and Diploma in Tuberculosis Diseases Courses was taught in the Calcutta Medical College.

**VII. Dental Training.**—The Calcutta Dental College is the only recognised Institution in West Bengal where the Licentiate in Dental Surgery Course of the State Medical Faculty was being taught. The college was upgraded and Bachelor in Dental Surgery Course of the Calcutta University introduced during the year 1952. The college was also affiliated to the Calcutta University during the year under report. The available number of seats in the Bachelor in Dental Surgery Course is 25 every year.

No admission of students in the 1st year class of the Licentiate in Dental Surgery Course was made during 1952.

**VIII. Faculties, Council and Tribunal.**—The following organisations continued their activities during the year under report:—

- (1) State Medical Faculty, West Bengal.
- (2) West Bengal Council of Medical Registration.
- (3) Pharmacists Registration Tribunal, West Bengal.
- (4) Dental Council, West Bengal.
- (5) General Council and State Faculty of Homeopathic Medicines, West Bengal.
- (6) General Council and State Faculty of Ayurvedic Medicine, West Bengal.
- (7) Faculty of Tropical Medicine, West Bengal.

No committee was set up during 1952, for considering the question of Medical Education in this State.

**IX. Medical Education of Women.**—Women were eligible for admission in all Medical Institutions like men. No seats were kept reserved for women.

**X.** The following institutions were awarded Government grant as noted against each, for the purpose of medical education during the year under report :—

			Rs.
(1) Calcutta National Medical Institute	..	..	2,00,000
(2) R. G. Kar Medical College, Calcutta	..	..	15,000
(3) School of Tropical Medicine, Calcutta	..	..	3,92,801
(4) Bankura Sammilani Medical School, Bankura	..	..	42,000
(5) Pharmacists Registration Tribunal	..	..	6,166
(6) West Bengal Council of Medical Registration	..	..	4,500



## Chapter XII

### OTHER PUBLIC HEALTH ORGANISATIONS

**The Asansol Mines Board of Health.**—A Statutory Body constituted under Government notification No. P.H.1011/3M-7/49, dated 2nd June 1950, continued in office during the year under report.

The Board functioned over the total area of the Asansol Mining Settlement covering 413 sq. miles with a population of 548,697 according to 1951 Census.

There are 31 union boards within the Asansol Mining Settlement, 490 villages and 190 Collieries. The municipal towns—Asansol and Raniganj are outside the jurisdiction of the Mines Board of Health.

Income and expenditure of the Mines Board of Health under some main items during the year 1952-53 are shown below:—

<i>Receipt.</i>					For 1952-53.
					Rs.
Opening balance	..	..	..	..	97,835
Income from tonnage cess and Royalty cess	..	..	..	..	4,12,728
Medical	..	..	..	..	9,047
Law and Justice	..	..	..	..	3,834
Grants from Coal Mines Welfare Fund	..	..	..	..	56,307
Miscellaneous	..	..	..	..	10,176
					5,89,927
<i>Expenditure.</i>					
General Administration	..	..	..	..	32,644
Medical and Public Health	..	..	..	..	2,88,904
Civil works	..	..	..	..	1,06,994
Other expenditure	..	..	..	..	48,908
					4,77,450
Closing balance	..	..	..	..	1,12,477
					5,89,927

The financial position of the Board was sound and satisfactory during the year under review. There was no loan outstanding nor was there any necessity for a loan.

**Cess.**—Levy of a tonnage cess and a cess on royalties from mines constituted the chief sources of income of the Board. During the year under review, the cesses were levied at Rs. 4 per 100 tons on the average output of mines and at 47 per cent. of the road cess payable by royalty receivers.

## Health and Statistics

**Vital Statistics.**—The vital occurrences during the year 1952 as compared with the preceding year are given below:—

	1952.	1951.
Total birth .. ..	9,186	8,317
Total death .. ..	3,982	5,005
Infant death .. ..	701	691
Birth rate .. ..	19·8	17·9
Death rate .. ..	8·6	10·8
Infant mortality rate .. ..	76·3	83·0
Cholera death rate .. ..	0·31	0·43
Smallpox death rate .. ..	0·20	0·82
Malaria death rate .. ..	0·21	0·34
Death rate from other fevers .. ..	3·67	4·67
Death rate from dysentery and diarrhoea .. ..	0·14	0·23
Death rate from child-birth .. ..	0·07	0·11
Death rate from other causes .. ..	3·23	3·34

**General Health.**—In 1952 the general health of the Mining Settlement was good. The birth rate rose from 17·9 in 1951 to 19·8 in 1952. The death rate fell from 10·8 in 1951 to 8·6 in 1952.

Death rate from cholera fell from 0·43 in 1951 to 0·31 in 1952 while that of smallpox fell from 0·82 in 1951 to 0·20 in 1952. The infant mortality rate was 76·3 in 1952 as compared with 83·0 in 1951.

Malaria showed decline, the death rate being ·21 as compared with ·34 in 1951. The death rate from other fevers fell from 4·67 to 3·67.

**Regisration of births and deaths.**—The Board's Sanitary Assistants attend the thana or thana parade day and collect hatchitas from choukidars when they come to join the parade. The Sanitary Assistants verify the births and deaths recorded in the *hatchitas* by personal visits to the villages. The verified births and deaths are then entered into the registers.

During 1952, 74 births and 63 deaths not reported by the choukidars were detected by the Sanitary Assistants on their round of verification and the cases of laxity on the part of the choukidars were reported to the authorities concerned for action.

**Sickness and mortality in Collieries.**—There were 2,53,749 cases of sickness with 407 deaths as recorded in Colliery dispensaries during 1952. Cases of sickness and deaths from some principal diseases are furnished below:—

	1952.		1951.	
	Cases.	Deaths.	Cases.	Deaths.
Cholera .. ..	227	67	321	92
Smallpox .. ..	117	5	419	23
Malaria .. ..	13,065	25	12,594	27
Diarrhoea and dysentery .. ..	22,857	20	20,198	25
Pneumonia .. ..	1,630	34	1,145	44
Tuberculosis .. ..	58	17	50	11
Other respiratory diseases .. ..	26,279	12	21,718	23



## Miners' Welfare

**Facilities for the treatment of the sick colliery population.**—Each colliery maintained a dispensary with an approved list of drugs and appliances as laid down by the Board of Health. It was also compulsory to maintain a number of indoor beds according to the population of a Colliery.

The Bengal Coal Company's Central Hospital at Sanetoria with 120 beds served the 3 very important groups of coal companies.

**Activities of the Coal Mines Welfare Fund.**—The fund provided the following in the Raniganj Coalfield:—

- (i) Anti-Malaria Organisation for the control of malaria in the Collieries and villages within half a mile around the Collieries.
- (ii) *Hospital facilities.*—The fund maintained two regional hospitals at Chora and Searsole with 18 general beds and 6 maternity beds in each. During 1952, the fund started construction of the Central Hospital for the Collieries in the Raniganj Coal Field. The hospital is to contain 160 beds.
- (iii) With a grant from the fund a Blood Bank began to function at Asansol.
- (iv) A segregation block for infectious cases of leprosy was built. It is being equipped with a grant from the fund.
- (v) The Tuberculosis Clinic at the Searsole Regional Hospital was completed. The team at Chora Regional Hospital which was trained in B. C. G. work did B. C. G. Vaccination in some Collieries in the neighbourhood of the hospital.
- (vi) The fund provided subsidy to the Collieries that maintained dispensaries to the standard laid down under the subsidy rules of fund.
- (vii) The fund enforced the creche and the pit-head bath rules on the defaulting Collieries so that an increased number of creches and pit-head baths were provided.
- (viii) The fund maintained five multipurpose welfare centres at five of the Collieries. Each centre consisted of:—
  - (1) Women's Welfare Section.
  - (2) Adult Education Section.
  - (3) Recreation Centre.
- (ix) *Welfare propaganda.*—A Mobile Cinema Van was maintained which regularly showed cinema shows at the Collieries and Welfare Centres.

## Control of Epidemics

### *Cholera.*

				1952.	
				Cases.	Deaths.
Collieries	..	..	..	227	67
Villages	..	..	..	202	84
Raniganj Town	..	..	..	18	6
				<hr/> 447	<hr/> 157

Cholera was less prevalent in 1952 than in 1951. There were 447 cases with 157 deaths as compared with 730 cases with 247 deaths in 1951.

In all 169,792 anti-cholera inoculations were performed. The distribution was as follows:—

Villages	..	..	..	..	..	69,658
Collieries	..	..	..	..	..	95,851
Ranigunj municipality	..	..	..	..	..	4,283
						<hr/> 1,69,792 <hr/>

*Smallpox.*

				1952.	
				Cases.	Deaths.
Collieries (as reported to dispensaries)	..	..	..	117	5
Villages	..	..	..	770	91
Ranigunj Town	..	..	..	3	..
				<hr/> 890 <hr/>	<hr/> 96 <hr/>

Smallpox was such less prevalent in 1952 than in 1951. In 1952 there were 890 cases with 96 deaths as compared with 3822 cases and 347 deaths in 1951.

The epidemic season lasted during the drier season of the year and with the onset of monsoon in June, the disease showed progressive decline.

				Vaccinations performed in 1952.		
				Number.	Successful.	Percentage.
Primary vaccination	..	..	..	19,821	17,270	87·13
Revaccination	..	..	..	164,091	32,076	19·54

### Control of other Diseases

(1) **Malaria Control.**—Anti-malaria work in the collieries and villages within half a mile radius was carried on by the Coal Mines Welfare Fund Anti-Malaria Organisation. The area was divided into 9 circles. All the collieries, 130 villages and 68 busties were under the control scheme. Spraying was performed in collieries, villages and *busties* with D. D. T. Geigy's Wettable powder, Benexide and Bensaxene. The total population covered by the spraying was 292,217.

The suppressive treatment with paludrine was given to 17,965 persons. A comparative statement of the incidence of malaria for the last three years per 1,000 of the Colliery population during the months of the Malaria Season is given below:—

			September.	October.	November.
1950	..	..	13·77	10·75	9·43
1951	..	..	10·60	10·10	8·73
1952	..	..	10·00	7·96	7·1



Thus it will be seen that there was a progressive diminution of incidence of Malaria in Collieries.

The Mines Board of Health maintained six anti-malaria units, each of which consisted of one Malaria Inspector and eight coolies. Besides the Malaria Inspectors, there was a Malaria Supervisor. They worked in six batches in 23 villages which were highly malarious. The spleen index taken from the different areas of operations showed that there was progressive decline of cases of spleen enlargement.

**Leprosy.**—The control of Leprosy in the Asansol Mining Settlement was undertaken jointly by the Mines Board of Health and the Leprosy Relief Association. The staff of the department consisted of five whole-time leprosy officers and one part-time Leprosy Officer. There were 14 Leprosy Assistants employed under the different branches of the Leprosy Relief Association.

During the year under report, the anti-leprosy activities consisted of survey propaganda, home visiting of cases, treatment and segregation. The treatment with Sulphone was undertaken on a wider scale in case of both lepromatous and active and progressive neural cases in 11 out of the 14 out-door clinics and in the Asansol Leprosy Hospital and the Settlement.

An abstract of work done during 1952 is given below:—

A. *Survey.*—

		Number of cases surveyed.					Percentage of leprosy cases to the cases examined.
		Male.	Female.	Total.	Infectious.	Non-infectious.	
(i) Village cases	..	3,321	1,330	4,651	999	3,652	1.1
(ii) Colliery cases	..	343	143	486	84	402	0.47
		<u>3,664</u>	<u>1,473</u>	<u>5,137</u>	<u>1,083</u>	<u>4,054</u>	<u>0.98</u>

	Total number of students examined.	Number of cases detected.	Infectious.	Non-infectious.	Percentage of leprosy cases among school students.
(iii) <i>School survey.</i>	10,701	108	106	2	1

B. *Home-visiting and propaganda.*—A total number of 4,908 visits were paid for home visiting and propaganda in villages, collieries and schools.

C. *Treatment.*—

(i) Total number of Leprosy patients treated in all the 14 clinics—1,695.

Male.	Female.	Infectious.	Non-infectious.	Dis-charge.	Symptom free.	Improv-ed.	Infectious cases became negative.
1,240	455	453	1,242	52	104	981	16

(ii) In the Leprosy Settlement and five Segregation Camps with a total number of 112 beds, 52 patients (50 old and 2 new) were treated out of which 4 left the Settlement and 48 remained up to the end of the year.

(iii) *Asansol Leprosy Hospital*.—

	Male.	Female.	Old.	New.
Total number of cases treated in the hospital for various Surgical and Medical Complication—48 .. ..	46	2	6	42
	Number.			
	Discharged.	Died.	Remaining at the end of the year.	
	*42	4	2	

\*Out of 42 cases 35 were Surgical cases.

**Sulphone Treatment.**—In giving Sulphone treatment the patients were grouped into three classes—

- (1) The first group of 89 (lepromatous 81 and Tuberculoids 8) cases were given regular injection of 50 per cent. acquous Natrone Solution twice weekly.
- (2) The second group of 131 (Lepramatous 83 and Tuberculoid 48) were given D. D. tablets orally.
- (3) The third group—combined therapy was undertaken in 143 cases (Lepramatous 83 and active neural 60) D. D. 500 m.gram. by Mouth each week along with 2 to 3 c.c. Hydnocarpus oil injection.

The result of treatment was found very satisfactory in the third group.

**General Hygiene and Sanitation.**—(i) *Water supply*.—In Collieries the sources of supply were the pumped pit water and the wells. Under the Board's bye-laws supply of unchlorinated pit water to the Colliery population was forbidden. Chlorination by mechanical means was insisted on.

(ii) *General cleanliness*.—The Board maintained sweepers at the following places: Barakar, Neamatpur Domohani, Jamuria and Ballavpur. The Board's Sanitary Staff regularly supervised their work.

(iii) *Housing*.—In September 1952, the State Government approved the amended bye-laws of housing of the labourers framed by the Board, incorporating the specification of the Coal Mines Welfare Fund. Colliery owners will qualify for a subsidy from the Welfare Fund for building such type of quarters. A number of plans according to the new specifications were submitted by the Board. Construction according to the plans were started.

(iv) *Maternity and Child Welfare*.—During 1952, the Mines Board of Health maintained 11 Maternity and Child Welfare Centres—five in charge of Lady Doctors and six in charge of Health Visitors. A Lady Medical Graduate with D. M. C. W. was in-charge of the Section.

(v) *Health propaganda*.—Beside usual propaganda carried on health and hygiene and preventive measures by group talks, and lectures, local health exhibitions with baby shows and ambulance competitions were held at Ukhra, Charanpur, Banksimulia, Setalpore, Jamuria, Neamatpur and Barakar



followed by the Central Exhibition, Ambulance Competitions and Baby Show at Asansol.

(vi) *Laboratory*.—The Board of Health maintained a Laboratory which consisted of a Bacteriological Section and the Chemical Section. The Bacteriological Laboratory provided free service to the Collieries in the matter of examination of clinical materials, sample of water for drinking purposes and specimens for the detection of infectious diseases and regulation of quarantine of the cases and contacts. At the chemical section examination of food samples under the Bengal Food Adulteration Act was undertaken.

In the Bacteriological Section a total number of 1,984 clinical samples were examined.

In the Chemical Section 245 food samples were examined under the Bengal Food Adulteration Act, out of which 12 were found to be adulterated. Two hundred and thirty-five samples of mustard oil were tested for agremone. Of them two were found positive. Besides, 14 water samples were examined chemically.

**Cooch Behar.**—The district of Cooch Behar merged in West Bengal during 1950, there was no district board nor union board. The Medical and Public Health Administration of the district run entirely at the expense of the State was carried out under the direct control and supervision of the Civil Surgeon, Cooch Behar till 16th December 1952 when the newly appointed District Health Officer, a Government employee joined the district and took over charge of the public health organisation of the district.

The district has eight police-stations and ten rural health circles, each in charge of a qualified Sanitary Inspector. Beside the rural health circle staff there were 10 F. R. E. Health Assistants and 6 Mobile Medical Units posted in the district. The Subdivisional Health Officers were also posted in Cooch Behar—one in-charge of two subdivisions and the other in-charge of three subdivisions.

According to 1951 Census, the district has a population of 671,158.

A comparative statement showing the numbers of births, deaths and infant deaths that occurred in the district during 1952 and 1951 are furnished below :—

Year.	Total births.	Total deaths.	Total Infant deaths.	Total still births.	Birth rate per mille.	Death rate per mille.	Infant death rate per thousand of live births.
1951 ..	8,178	4,627	683	136	12·7	7·1	83·5
1952 ..	6,536	3,577	340	82	9·7	5·3	52·0

The Bengal Birth and Death Registration Act, 1873, was not enforced in the district during the year under report. The existing system of recording vital statistics being defective, the figures noted above can not be taken as exhaustive.

A statement showing numbers of cases of different diseases treated in hospitals and dispensaries during 1952 is furnished below :—

Malaria.	Kala-azar.	Influenza.	Amaebic Dysentery.	Bacillary Dysentery.	Diarrhoea.
63,817	583	2,179	4,860	949	3,860

**Control of epidemic.**—There was no epidemic in the district during the year under report. There were only a few cases of cholera and smallpox in a sporadic form.

### Anti-Epidemic Measures

Vaccination.		Primary vaccina- tion.	Re-vacci- nation.	Total.	Successful.		
					Primary.	Re-vacci- nation.	Total.
In rural areas	..	17,532	81,906	99,438	12,314	20,362	32,676

Degree of protection afforded to infants per thousand of live births was [186·6:]

### Vaccination

		Primary.	Re-vacci- nation.	Total.	Successful.		
					Primary.	Re-vacci- nation.	Total.
In Cooch Behar Town	..	807	21,126	21,938	148	9,610	9,758

Degree of protection afforded to infants was 212·3 per thousand of live-births.

*Anti-Cholera Inoculation.*—A total number of 82,168 anti-cholera inoculations were performed in the district during the year under report.

**Tuberculosis Control.**—One Chest Clinic was opened in the J. D. Hospital, Cooch Behar by the Tuberculosis Association of the district. In the hospital there were 25 beds for tuberculosis patients.

**Maternity and Child Welfare.**—The Maternity and Child Welfare Centre at Cooch Behar was under the charge of a Lady Health Visitor. She attended the Anti-Natal Clinic and visited houses for Post-Natal cases. There was a part time lady doctor who attended the clinic twice a week in the afternoon. As a hospital staff she received a conveyance allowance of Rs. 20 per month for the work.

There was a milk distribution centre here. About 50 mothers and infants received free milk out of the supply from the Red Cross Society through the Civil Surgeon, Cooch Behar..

Particulars of work in connection with the Maternity and Child Welfare are furnished below:—

Total number of mothers that attended	..	..	2,758
Total number of expectant mothers that attended	..	..	1,750
Total number of house visits by the staff	..	..	6,159
Total number of domiciliary midwifery cases attended	..	..	254 cases.
Total number of mothers who received milk	..	..	683
Total number of infants who received milk	..	..	11,108



**Anti-Malaria Work.—**

(1) Number of tanks and dobas cleaned	..	267
(2) Number of tanks and dobas treated with Malariol	..	251
(3) Length of drains treated with Malariol	.. ..	16 running miles.
(4) Quantity of malariol used .. .. .	..	801 Gallons.
(5) Number of houses sprayed with D. D. T. Solution	..	897
(6) Quantity of D. D. T. Solution used .. .. .	..	69 Gallons.

**Jungle-cutting.—**

Place.	Approximate area cleaned. Square miles.
(1) Khagrabari .. .. .	2
(2) Madan Mohan Colony .. .. .	1
(3) Subhas Colony .. .. .	$\frac{1}{2}$
(4) Kharila Khagrabari .. .. .	$\frac{1}{2}$
(5) Mahisbathan .. .. .	$\frac{1}{2}$
(6) National High Way .. .. .	2 running miles.

**Singur Health Centre.**—The Centre is located in a rural area at a distance of 21 miles north-west of Calcutta. It consists of four contiguous union boards—Singur, Balarambati, Bora and Begumpur situated in the Serampore subdivision of the Hooghly district, West Bengal. The total area covered by the centre is 32.98 sq. miles. There are 68 villages with 73,413 population (1951 Census) and 12,854 families.

**Administration.**—The All-India Institute of Hygiene and Public Health is responsible for the overall administration of the Centre.

**Services.**—(1) *Improvement in the collection of Vital Statistics.*—The scheme of collection of Vital Statistics was carried out as in previous years mainly through the village Choukidars. The information was supplemented by the village health committee members in-charge of vital statistics from their respective areas. Verification of births and death was done by the Sanitary Inspectors and the Lady Health Visitors during their work in villages.

The main data for the period are given below :—

Population (1951 census)	.. .. .	73,413
Births .. .. .	.. .. .	2,933
Birth rate (per 1,000)	.. .. .	39.95
Deaths .. .. .	.. .. .	686
Death rates (per 1,000)	.. .. .	9.34
Infant deaths .. .. .	.. .. .	254
Infant death rate .. .. .	.. .. .	86.60
Maternal deaths .. .. .	.. .. .	11
Maternal death rate .. .. .	.. .. .	3.69

Malaria deaths	..	..	..	..	..	6
Death rate (per 100,000)	..	..	..	..	..	8.17
Cholera deaths	..	..	..	..	..	33
Death rate (per 100,000)	..	..	..	..	..	44.95
Diarrhoea and Dysentery death		..	..	..	..	61
Death rate (per 100,000)	..	..	..	..	..	83.99
Enteric Fever death	..	..	..	..	..	13
Death rate (per 100,000)	..	..	..	..	..	17.70
Smallpox death	..	..	..	..	..	5
Death rate (per 100,000)	..	..	..	..	..	6.80

(2) *Control of communicable diseases.*—The programme includes mostly the control of smallpox, cholera, typhoid and malaria.

*Cholera.*—

Attacks.	Deaths.	A. C. Inoculation.	Disinfection.			
			House.	Doba.	Tank.	Drain.
69	35	10,836	78	61	12	8

Singur being located between Sheoraphuli, a business centre and Tarakeswar, a religious centre is always unfortunate in having most of cholera and smallpox cases imported from these two centres.

*Smallpox.*—

Attacks.	Deaths.	Vaccination.	
		Primary.	Revaccination.
9	5	2,332	20,331

The programme for the control of smallpox worked quite satisfactorily.

*Malaria.*—As reported in the last year's report the malaria control measures were carried out on the following lines:—

- (a) D.D.T. spraying (5 per cent. Geigy mixture) in all houses.
- (b) Curative treatment with Quinine, Paludrine and other anti-malarial drugs.
- (c) Prophylactic use of paludrine as far as possible.

Of the 68 villages, 56 were sprayed twice and 12 once during the season.

Services of the village volunteers were utilised as far as possible in the actual spraying. The campaign was started after educating the public by mass meetings, group talks and distribution of leaflets explaining the purpose of D.D.T. spraying.



A consolidated statement of the work is given below:—

*D.D.T. Operation.—*

Number of houses sprayed	..	..	..	14,985
Number of bed rooms	..	..	..	34,536
Number of kitchens	..	..	..	3,614
Number of cattle sheds	..	..	..	265
Total area sprayed	..	..		2,07,38,506 Sq. ft.

*Number of man-days of work.—*

Paid workers	..	..	..	..	1,427
Volunteers	..	..	..	..	68
					<hr/> 1,495
Average area sprayed per man-day	..	..	..	..	13,872 Sq. ft.
Amount of D. D. T. sprayed	..	..	..	..	100 mgm. of Geigy powder per sq. ft.

The cost of the operation is approximately annas 3-3 per capita.

*Treatment of cases.*—The distribution of anti-malarial drugs was done mainly by the trained school teachers and by other influential villagers in addition to the Health Centre staff.

*Amount of drugs distributed—*

					Tablets.
Paludrine tablets	..	..	..	..	2,403
Quinine sulph. tablets	..	..	..	..	350

*Results of operation.*—The result of the anti-malaria operation was very satisfactory. The number of deaths from malaria was only 6 during 1952 as against 10 during 1951, 27 in 1950, 93 in 1949, 169 in 1948 and 173 in 1947. The spleen rates taken in the villages in 1952 shows that there is a marked decrease in spleen rate in all the villages. Out of 68 villages—31 villages have spleen rates between 1 per cent. to 5 per cent. and 37 villages have 0 per cent.

(3) *Environmental Sanitation.*—One of the most important duties of the centre is the programme of environmental sanitation. The programme includes mainly the provision of safe water supply through tube wells and sanitary disposal of night soil through bored hole and dug-well latrines.

The work done during the period are given below:—

Number of tube-wells sunk	..	..	..	..	1
Number of tube-wells resunk	..	..	..	..	20
Number of tube-wells repaired	..	..	..	..	794
Number of aprons to tube-wells	..	..	..	..	29

*Bored hole latrine.*—Number of bored hole latrines—

New bored	..	..	..	..	..	11
Rebored	..	..	..	..	..	91
Dug-well latrines constructed	..	..	..	..	..	81

and 31 plates were supplied to outside area.

*Number of squatting plates constructed—*

For Dug-well latrines	..	..	..	..	282
For bored hole latrines	..	..	..	..	2

The important deviation from the routine followed in previous years in the contribution of labour by self-help agencies like village volunteers and members of the village health committee for carrying on the above programme.

(4) *Maternity and Child Welfare Services including school health.*—This service is the cornerstone of public health work of the centre. It includes home visiting by Health Visitors, clinics for prenatals, postnatals, infant and pre-school children and domiciliary midwifery in a limited area. The details of work done is summarised below:—

## (a) Staff employed in the centre (for Maternity and Child Welfare Services)—

Doctor	..	..	..	..	1
Senior Health Visitor	..	..	..	..	1
Health Visitor	..	..	..	..	3
Midwives	..	..	..	..	6 (including one Aya).
Trained dais	..	..	..	..	2

## (b) Domiciliary Midwifery Service—

Number of cases attended	..	..	407
Delivery in the Maternity Home	..	..	173

## (c) Home visiting—

Prenatal	..	..	..	..	2,356
Postnatal	..	..	..	..	2,332
Number of homes visited	..	..	..	..	4,718

## (d) Child Welfare—

## Number of children attended to—

Home	..	..	..	..	2,337 (infant only).
Centre	..	..	..	..	987 (602 infants and 385 toddlers).

## (e) Number of days the Health Visitors were on tour .. 1,053

Due to increased consciousness the number of mothers visiting the clinic, three more sub-clinics at Ratanpur, Mahmudpur and Ramnagore were



started during the year in addition to the existing clinic at Singur headquarters. In Bora-Begumpur area one more sub-clinic was started at Baratajpur over and above to the three existing clinics at Begumpur and Bora and sub-clinic at Naity. Altogether there are nine ante-natal clinics in the area. The people supply accommodation for these clinics free of charge.

(5) *School Health*.—The general programme of school health work which was started in 1944 in collaboration with the Department of Education, Government of West Bengal was continued during the year. The School Health programme was carried out in 27 schools with 44 hygiene trained teachers during the calendar year 1952. The school health services include physical examination of new entrants, re-examination of referrals, detection and correction of defects, immunisation against smallpox and cholera and to some extent enteric fever, school sanitation, quarterly recording of height and weight and a series of health education programme with the help of trained hygiene teachers in the schools.

The details are given below:—

Total number of School in the area .. .. .	40
Number of school in the programme .. .. .	27
Number of trained teachers .. .. .	44
Total number of students in the school under the scheme ..	3,912
Number of students examined .. .. .	175
Number of defectives .. .. .	115
Number of cases referred to Calcutta hospitals—	
Dental .. .. .	2
Ear, Nose and Throat Department (10 cases of tonsilec- tomy were done) .. .. .	56
Others .. .. .	4
Number of treatments in the schools and central clinics ..	2,192
Number of students immunised against cholera ..	1,379
Number of students immunised against smallpox—	
Primary .. .. .	2
Revaccination .. .. .	3,104
Number of group talks given in schools .. .. .	42
Number of schools where milk was distributed .. .. .	16

**Laboratory work.**—*Laboratory service to the general population of the locality.*—Laboratory service was given free of cost to the general population of the locality on the recommendation of the local practitioners.

A total of 4,624 clinical samples were examined.

(b) *Laboratory service to Maternity and Child Welfare.*—A total of 1,665 clinical materials were examined.

(c) *Laboratory service for school health.*—Ninety-four clinical samples were examined under the heading.

(d) *Laboratory service for epidemic work—*

Faeces examined for cholera vibrio .. .. .	4
Faeces culture for dysentery bacilli .. .. .	

**Food Control.**—Work carried out under Bengal Food Adulteration Act is stated below :—

1.	(a) Inspection of grocery shops .. .. .	485
	(b) Inspection of sweet meat shops .. .. .	256
2.	Destruction of unwholesome fish .. .. .	107 seers.
	Destruction of unwholesome sweetmeat .. .. .	12 seers.
	Destruction of unwholesome other vegetables .. .. .	32 seers.
3.	Number of mustard oil samples for analysis .. .. .	14
	(i) Genuine .. .. .	14
	(ii) Adulterated .. .. .	Nil

Health Education procedures, viz., holding of meeting and conferences, magic lantern shown, cinema shows by the United States Information Service were carried out.

The Annual Baby show and Health Exhibition was opened by the District Magistrate, Hooghly, on the 16th March 1952, which continued for five days.

*Statistical Exhibition at Chinsurah.*—The Health Centre staff also took part in organising the exhibition held at Chinsurah. The exhibition was opened by Dr. B. C. Roy, the Chief Minister of West Bengal.

Union Health Advisory Committee, Village Health Committees, Local Medical Practitioners' Association and volunteers helped the centre staff in furthering and completing the activities of the centre.

Amongst voluntary work done in different areas of the health centre, road construction by volunteers deserves mention.

The students and teachers of Ramnagore and Borai U. P. Schools and the interested villagers participated in repairing the Singur-Bora Road which remained submerged in water during the rainy season. About 500 yards of the road could be completed before the rainy season set in.

**Training personnel.**—As in previous years, the field training in routine health practice has been imparted to health workers and trainees of different categories as detailed below :—

Type of students.	Institutions.	Number trained.
D. P. H. and L. P. H. .. .. .	All-India Institute of Hygiene and Public Health.	48
D. M. C. W. .. .. .	Ditto .. .. .	10
M. & C. W. (Special Course) .. .. .	Ditto .. .. .	4
M. E. (P. H.) .. .. .	Ditto .. .. .	9
P. H. E. (Special Course) .. .. .	Ditto .. .. .	9
Dieteties (Special Course) .. .. .	Ditto .. .. .	5
Lady Health Visitors .. .. .	Sir John Anderson Health School .. .. .	10
Social Welfare Course .. .. .	Calcutta University .. .. .	31
Community Project worker .. .. .	.....	39
Village volunteers .. .. .	Local Agencies .. .. .	34
Dais* .. .. .	Ditto .. .. .	7

\*The dai training is becoming very popular. Widows of high families have started coming for this training at their own expenses.

**Visitors.**—The Centre had a number of distinguished visitors both from within the country and abroad.

Visitors from within the country .. .. .	34
Visitors from abroad .. .. .	20



## Chapter XIII

### NUTRITION

The Report on work on nutrition contained relevant information under the following heads, e.g., (i) Ameliorative measures, (ii) Nutrition Education and Publicity, and (iii) Other activities.

**Ameliorative measures.**—(a) *Free milk distribution.*—Undernourished children, infants up to one year, nursing and expectant mothers and other malnourished women in the different relief centres, orphanages, schools, Maternity and Child Welfare Centres and a large number of malnourished students in the institutions and Homes through the State were the recipients of 639,740 pounds of milk powder received free of cost from the UNICEF. The distribution work was carried out with the help of Education and Relief and Rehabilitation Departments of the State and also with the help of recognised voluntary agencies such as the Indian Red Cross Society, the Bharat Sevasram Sangha, the United Council of Relief and Welfare, etc., and thus more than 800 free milk canteens were run throughout the State.

(b) *Free distribution of UNICEF rice.*—A large number of children belonging to the State and aided orphanages throughout the State were the recipients of 4,993 maunds of rice received free of cost from the UNICEF. The distribution of this rice was made under the direct supervision and management of the Education Department of the State.

(c) *Free distribution of vitamin tablets.*—A large number of children and mothers were the recipients of multivitamin tablets at the schools, relief centres and Maternity and Child Welfare Centres through Government Agencies.

(d) *Mid-day Tiffin scheme in the schools.*—Fifty-three Government and aided schools in the different districts participated in the Mid-day tiffin scheme of the Education Directorate under direct supervision of the District Inspectors of Schools and with the help of the Government grant and an amount of Rs. 24,000 was sanctioned by the Education Department as grants-in-aid for carrying out this scheme.

*Nutrition Education and Publicity.*—The work done is being described under three distinctive heads: (i) Health Education at the clinics, (ii) Health Education during home visit, and (iii) Health Education at milk distribution centres.

(i) *Health Education at clinics.*—During the clinics hours the social workers were required to contact patients individually and explain to them the treatment procedures prescribed by the physicians. In the course of these explanations, instructions on diet were also given. At the ante-natal clinics and the chest clinics advice on diets was based not only on their physiological requirements but also with an eye as to their economic conditions.

(ii) *Health Education during home visits.*—Patients requiring supervision at home, were referred to the social workers by the physicians. When the home visits were made, the family as a whole came under the social workers' range of purview. Enquiries were made into the types of meals consumed, and the merits of a balanced diet were explained in details. The women

members of the family were contacted and instructions were given in the methods of serving cheap and nutritious meals. The social workers also paid periodic visits to each home to ensure that the advice given was being followed.

(iii) *Health Education at the milk distribution centres.*—Health Education on nutrition and diet was given to the recipients at the milk canteens as a routine. In addition to this a milk distribution centre in Calcutta for the benefit of tuberculosis and malnourished patients was particularly maintained by the Government with the co-operation of several voluntary agencies. Patients when they registered their names at the Centres were given advice on effecting improvements in their diets in all cases care was taken to make the advice to be in keeping with the patients' means.

**Other activities.**—The State Advisory Committee took up the question of (i) investigation of Lathyrism in relation to consumption of Khesari Dal in West Bengal and (ii) revision of the existing Mid-day School Meal Scheme of the Education Department along new lines on the basis of a standard menu which will be cheap and nutritious at the same time so as to make up the deficiency of the average daily dietary received by the children at home.



## Chapter XIV

### LABORATORIES

During the year under review, the post of the Director, West Bengal Public Health Laboratory, was abolished and the Chemical Section of the Food and Water Laboratory was placed under the Public Analyst (Food and Water) and the Bacteriological Section under the Public Analyst (Bacteriology).

(a) Work of the Chemical Section of the Food and Water Laboratory during the year, 1952, is summarised below:—

This annual report is in respect of the work done in the Chemical Section of the Food and Water Laboratory.

**Examination of Water (Physical and Chemical).—**The sources of water samples received during the year were:—

(1) Fifteen municipal and five other waterworks, *i.e.*, one at the Bengal Engineering College, Sibpur, that at the Polytechnic, Asansol, that at the Calcutta Port Commissioners at Budge Budge, and two new additions in the year, one at the Viswa-Bharati, Santiniketan, and the other at the India Government Mint, Alipore.

(2) Naihati Municipality supplied by jute mills.

(i) Installation of Bore Hole Pump at Badartola  
few other mills.

Examination of waters from (1), (2) and (3) were carried out once a month with three exceptions only, the samples from Viswa-Bharati being examined eight times a year, and those from the India Government Mint at Alipore twice a month.

(4) Jails and Sub-Jails: Samples were examined once a year.

(5) Other Government departments, commercial concerns and private bodies.

The number of samples analysed during the year (1952) as compared to those analysed during the two preceding years was as follows:—

Source.						1950.	1951.	1952.
Waterworks ..	..	..	..	..	..	309	396	417
Jute mills ..	..	..	..	..	..	921	1,040	1,054
Jails ..	..	..	..	..	..	7	14	15
Other Government departments	..	..	..	..	..	65	40	62
Other sources	..	..	..	..	..	120	137	182
Total ..						1,422	1,627	1,730

**Sewage.**—The number of sewage and effluent samples examined in the year is given below with those of the two preceding years:—

				1950.	1951.	1952.
Routine samples and special samples	..	..	..	70	85	164

The high rate trickling filter newly installed at the T. B. Hospital at Jadavpur was subjected to routine check-up test for its efficiency for some-time and more or less consistent results were obtained, the number of samples received from this source being 138 during the year.

An interesting case was the examination of an open well water at Bally collected by the Sanitary Inspector, Bally Municipality, which was suspected to have caused the death of a man who went down the well for the purpose of cleaning. It was also alleged that some chemicals were stored in a nearby godown and this chemical was suspected to have somehow got mixed up with the well water. The amount of sample sent was too small for any detailed analysis. By every careful separation and analysis, the water was found to be contaminated with *chloroform*.

**Examination of foodstuff.**—The total number of samples of foodstuff received for analysis was follows:—

Year.	Number of samples of food-stuffs.					
1950	..	..	..	..	..	4,742
1951	..	..	..	..	..	4,376
1952	..	..	..	..	..	3,739

The sources from which the foodstuff was received and the number from each source are given below:—

District boards and municipalities	..	..	..	2,463
Government hospitals	..	..	..	657
Other Government departments	..	..	..	572
Samples in connection with court cases	..	..	..	32
Other sources	..	..	..	15
Total				3,739

Of the samples of foodstuffs received from Government hospitals, 635 were of milk, 10 of ghee, 8 of butter and 4 of mustard oil.

In addition to this, special work of investigational nature was carried out and the number and nature of foodstuff analysed were as under:—

Special work (samples purchased locally)—

Coffee	..	..	..	..	..	41
Chicory	..	..	..	..	..	1
Jam, jelly, syrup, squashes, cordials, etc.	..	..	..	..	..	9
Vinegar	..	..	..	..	..	20
Butter	..	..	..	..	..	16
Total						87



The nature of samples received from district boards and municipalities, the number of each and the percentages which these form of the total are given in the following Table I:—

TABLE I.

Foodstuff.	District Boards.				Municipalities.			
	1952.		1951.		1952.		1951.	
	Total.	Per-centage of Total.	Total.	Per-centage of Total.	Total.	Per-centage of Total.	Total.	Per-centage of Total.
Mustard oil ..	1,312	89·0	1,851	91·7	525	53·08	715	77·0
Ghee ..	29	1·96	59	2·9	48	4·86	41	4·4
Milk ..	71	4·81	65	3·2	353	35·7	136	14·6
Butter ..	Nil	..	3	0·1	11	1·11	6	0·6
Dahi ..	6	0·42	7	0·3	19	1·92	9	1·0
Chhana ..	6	0·42	3	0·1	6	0·61	11	1·2
Atta and flour ..	16	1·08	2	0·1	13	1·31	Nil	..
Tea ..	33	2·24	25	1·2	12	1·21	11	1·2
Sugar ..	1	0·07	3	0·1	2	0·20	Nil	..

The total number of samples analysed during the year and in 1951 was:—

	1951.	1952.
Number of samples of foodstuff analysed ..	4,356	4,093

The number of samples of different kinds of foodstuff from district boards and municipalities analysed during the year, and the percentages of adulteration as compared to those of the previous years 1950 and 1951 are given in Table II:—

TABLE II.

	District Boards.				Municipalities.			
	Number of samples analysed in 1952.	Percentage found adulterated.			Number of samples analysed in 1952.	Percentage found adulterated.		
		1952.	1951.	1950.		1952.	1951.	1950.
Mustard Oil ..	1,531	14·9	24·7	43·8	569	9·9	20·0	44·0
Ghee ..	39	41·0	51·0	83·3	35	42·8	33·3	36·4
Milk ..	71	80·2	40·0	79·4	353	60·9	65·4	70·2
Butter ..	Nil	..	100·0	100·0	11	63·6	66·6	66·6
Dahi ..	6	83·2	100·0	71·4	19	73·6	77·7	100·0
Chhana ..	6	16·6	66·6	100·0	6	100·0	54·5	1000
Atta and wheat flour	16	12·5	Nil	Nil	13	Nil	..	25·0
Tea ..	33	9·1	19·4	4·5	12	16·6	13·3	Nil
Sugar ..	1	Nil	Nil	50·0	2	Nil	..	..



There was a still further decrease in the percentage of adulteration of mustard oil during the year as compared to those of the two preceding years, 1951 and 1950. The percentage of adulteration of milk samples sent by the district boards was practically double of that of the previous year 1951 and was almost the same as that of the year 1950. The extent of adulteration of the foodstuff sent by the municipalities remained more or less steady. There was a considerable reduction in the percentage of adulteration of the milk product chhana, sent by district boards compared to the two preceding years. As the number of samples of this milk product received for analysis were few, no conclusion can be drawn for this decrease in adulteration. During the year there was a distinct increase in the number of wheat products, *i.e.*, atta and flour, analysed in comparison to that of the previous year 1951; also, the number of tea samples received for analysis from district boards increased. The number of samples of ghee received from district boards were practically half of that of the previous year.

During the year only one sample of mustard oil was found to be adulterated with the highly poisonous oil, namely, the aregemone, whereas 15 samples contained mineral oils some of which are considered to be also toxic.

One of the reasons for the lesser number of samples of mustard oil received from district boards in the year as compared to that of the previous year was practically the total stoppage of sample collection by the 24-Parganas district board.

Regarding the question of the presence of excessive woody and hard stalks in tea, it was proved by experiment conducted here that the ordinary constituents such as total and soluble ash, total water-soluble extract, and also caffeine and tannin were not appreciably affected by the excessive amount of non-tender stalks. However, fibre contents of such stalky teas were significantly higher than those of good teas with a low non-tender stalk content (below 10 per cent.) Estimation of fibre was particularly found useful in the examination of dust tea.

A significant work in the year was the analysis of samples of coffee and chicory. There is a proposal to include this beverage in the category of notified foodstuff, and fairly large number of coffee samples were analysed with a view to suggest standards for this beverage. As coffee is growing more and more popular everyday it is only fitting that it should be brought under the State Food Act.

Another important work of investigational nature which was started in the latter part of the year under review was the estimation of moisture in butter. As the State Government is proposing to reconsider the present legal moisture limit of 20 per cent. in butter, samples were collected from various local markets and analysed for moisture contents, and also examined for the purity of the derived fat. The work is continuing.

Apart from the routine analysis of milk the test for the detection of reconstituted milk (milk powder) in fresh milk is becoming more and more important. Frequently this test is called for and positive indications have been obtained in some cases.

**Research Work.**—During the year under review some research work was carried out with the limited facility available. Subject matters for the research were chosen in such a way that these had bearing on the usual routine work done in this laboratory such as finding a relation between the titratable acidity of flour (maida) and its soundness, estimation of very small amounts of argemone oil in mustard oil by the bromide test, relation between



the chloride content and the permanent hardness of tube-well water, effect of cooking water on the stability of thiamin (Vitamin B<sub>1</sub>) of rice, finding a rapid method for determining fat in "chhana", etc.

The following papers and abstracts were published:—

- (1) "Titratable Acidity as a measure of Soundness of Flour" by S. N. Mitra, Jour. & Proc. Inst. Chemists, Vol. XXIV, April and July, 1952.
- (2) "Estimation of Argemone oil in Mustard oil by the 'Bromide-Bromate test' " by S. N. Mitra, S. C. Chakravarti and A. B. Som, Science & Culture, Vol. 17, June, 1952, 523-4.
- (3) "Determination of Fat in 'chhana' by the Gerber milk butyrometer" by S. N. Mitra, Science & Culture, Vol. 18, September, 1952, 150-1.
- (4) "Fibre content of Indian Tea and its relation to the amount of non-tender stalks present" by S. N. Mitra and S. C. Roy.

The following papers and notes were under publication:—

- (1) "Detection of Ground nut oil in mustard oil" by S. N. Mitra.
- (2) "Relation between the chloride content and the permanent Hardness of tube-well water of West Bengal" by J. K. Roy and S. N. Mitra.
- (3) "Effect of cooking water on Thiamin Stability" by J. K. Roy.
- (4) "A rapid method for the detection of small amounts of chicory in coffee" by S. N. Mitra and S. C. Roy.

**Income and expenditure.**—The income which accrued to the laboratory and the expenditure incurred by it during the last five years including the year under review are given below:—

Year.				Income.	Expenditure.
				Rs.	Rs.
1948	..	..	..	40,132	121,208
1949	..	..	..	39,619	121,957
1950	..	..	..	47,486	120,160
1951	..	..	..	47,398	118,615
1952	..	..	..	45,315	119,884

(Approximately).

(b) **Work of the Bacteriological Section of West Bengal Public Health Laboratory.**—The Work is divided into (I) Bacteriological Analysis of Water, (II) Examination of Rats and (III) Miscellaneous examinations.

(1) *Bacteriological Analysis of water.*—(1) Water samples for bacteriological examination were received from altogether 19 waterworks. Out of these, water samples from 15 municipalities came regularly once a month. Two more municipalities namely the municipalities of Dum Dum and Agartola in Tipperah sent samples only once. The Port Commissioners sent samples from Budge Budge three times in the year. Besides, water samples from Bengal Engineering College waterworks were examined regularly once a month.

(2) The total number of jute mills whose water samples were examined was 62. Most of them sent samples once every month from every water source in their control.

(3) Sample of water from 12 Jails and sub-jails of West Bengal were examined once a year.

(4) Under the heading, other Government department, the total number of sources were 28. Samples came only once from most of these sources with the following exceptions: Asansol Polytechnic 12 times, Alipore Mint seven times, Visva-Bharati five times, Civil Supply Department five times, Medical College Hospitals twice, Calcutta High Court three times, Raj Bhavan, Calcutta, twice and Food Department, Cossipore twice.

(5) Altogether 20 commercial concerns sent their samples and nine of them sent once in the year. Of the remaining 11, four parties sent regularly once a month. Seven parties sent samples varying from two to ten times in the year.

(6) Seven private parties sent water samples for examination. Out of them, two parties sent samples more than once, one sending four times and the other six times in the year.

The total number of samples of water for bacteriological examination from the above stated sources as well as the number of examinations as in the previous year are given below:—

		1951.	1952.
Municipalities and other waterworks	..	985	1,032
Jute mills	.. .. .	1,758	1,766
Jails and sub-jails	.. .. .	28	18
Other Government departments	.. .. .	156	165
Mercantile concerns and private parties	..	243	315
Total	..	<u>3,170</u>	<u>3,296</u>

(II) *Examination of rats.*—The total number of rats received for examination from the Port Commissioners of Calcutta were 2,324 the monthly figures of which are given below:—

January	.. .. .	186
February	.. .. .	202
March	.. .. .	190
April	.. .. .	206
May	.. .. .	218
June	.. .. .	190
July	.. .. .	232
August	.. .. .	190
September	.. .. .	142
October	.. .. .	178
November	.. .. .	200
December	.. .. .	190



None of the rats showed evidence of infection with *Pasteurella pestis*. *Gunomys Varius* the plague resistant species continued to be the predominant species as in the last two years as shown below:—

		Rattus Rattus.	Rattus Norvegicus.	Gunomys Varius.	Bandicoota Indica.	Total.
1952 ..	..	406(17.5%)	84(3.6%)	1,830(78.7%)	4(0.2%)	2,324
1951 ..	..	208(8.8%)	148(6.3%)	1,985(84.3%)	12(0.5%)	2,353
1950 ..	..	457(19.1%)	82(3.4%)	1,830(76.4%)	25(1.0%)	2,394

(C) *Miscellaneous examinations*.—(1) A sample of molasses (*veligur*) was received for bacteriological examination.

No enteric-group of organisms could be isolated nor any vibrio. But staphylococci were isolated from culture and animal test showed presence of enterio-toxin which might cause food poisoning.

(2) Two samples of cigarettes were received for bacteriological examination for presence of *Mycobacterium tuberculosis*. No tubercle bacilli could be found either by culture or by animal inoculation tests.

(3) A sample of stool was examined for presence of enteric group of organisms. The patient who was a cook was suspected to be a carrier. No enteric group of organisms could be isolated.

(III) *Research*.—During the short period of the later part of the year, some preliminary work only could be done under the heading "Research". This included study on plate counting in water analysis and further studies on Eijkman test.

Water and special sample analysed in the Bacteriological Section of the Laboratory in the year 1952.

		Water.							Special.				
		Municipal and other water works.	Jails.	Other Govern- ment Depart- ments.	Mercan- tile concerns and private bodies.	Jute Mills.	Total.	Rats*	Disinfec- tants.	Food- stuffs.	Miscella- neous.	Total.	Grand Total.
January	..	86	1	8	22	157	274	186	..	..	..	186	460
February	..	91	2	14	17	158	282	202	..	..	..	202	484
March	..	86	4	8	23	154	275	190	..	..	..	190	465
April	..	86	4	20	34	149	293	206	..	..	..	206	499
May	..	88	3	6	22	154	273	218	..	1	..	219	492
June	..	86	..	24	21	112	243	190	..	..	..	190	433
July	..	91	2	21	29	153	296	232	..	..	2	234	530
August	..	90	..	14	27	148	279	190	..	..	..	190	469
September	..	93	..	12	20	151	276	142	..	..	..	142	418
October	..	74	..	11	37	122	244	178	..	..	..	178	422
November	..	89	..	15	22	152	278	200	..	..	..	200	478
December	..	72	2	12	41	156	283	190	..	..	1	191	474
Total		1,032	18	165	315	1,766	3,296	2,324	..	1	3	2,328	5,624



### Report on examination of Rats for the year 1952.

		Rattus Rattus.	Rattus Norve- gious.	Gunomys Varius.	Bandi- coota Indica.	Total.	Bacillus pestis.
January ..	..	19	..	165	2	186	Not found.
February ..	..	17	..	184	1	202	Ditto.
March ..	..	35	4	150	1	190	Ditto.
April ..	..	41	9	156	..	206	Ditto.
May ..	..	53	11	154	..	218	Ditto.
June ..	..	30	5	155	..	190	Ditto.
July ..	..	59	12	161	..	232	Ditto.
August ..	..	34	14	142	..	190	Ditto.
September ..	..	22	3	117	..	142	Ditto.
October ..	..	25	13	140	..	178	Ditto.
November ..	..	27	4	169	..	200	Ditto.
December ..	..	44	9	137	..	190	Ditto.
		<u>406</u>	<u>84</u>	<u>1,830</u>	<u>4</u>	<u>2,324</u>	

(c) **Work of the West Bengal Vaccine Laboratory.**—A statement regarding the stock position of anti-cholera vaccine during the year 1952 is given below :—

Opening balance.	Output.	Receipts.	Issue.	Closing balance.
1,604,305 c.c.	3,497,000 c.c.	16,000 c.c.	3,961,915 c.c.	1,155,390 c.c.

The issue consists of—

(i) Free supplies ..	..	..	..	3,456,110 c.c.
(ii) Supplies to the chargeable parties ..	..	..	..	505,805 c.c.
				<u>3,961,915 c.c.</u>

The recipients of free supplies were the follows :—

- (1) Directorate of Health Services, district boards, municipalities, Sub-divisional Health Officers, Civil Surgeons, Union Health Centres, etc.
- (2) The chargeable parties chiefly comprised Refugee Relief Camps, Railways, Tea Gardens, Jute Mills, Corporation of Calcutta, etc.

#### Details of Issue.

Sale ..	..	..	..	..	505,805 c.c.
Free supply—					
District boards ..	..	..	..	1,390,000	
Municipalities ..	..	..	..	326,200	1,716,200 c.c.
				<u>326,200</u>	

## Others—

Civil Surgeons .. .. .	181,000	
Deputy Directorate of Health Services, (Public Health .. .. .)	240,000	
Mines Board of Health .. .. .	90,000	
Subdivisional Health Officers, etc. ..	1,228,210	1,739,910 c.c.
Total ..		<u>3,961,915 c.c.</u>

During the year under review the Laboratory carried out extensive research for improving the quality of culture necessary for the production of anti-cholera vaccine and arrangement for the proper preservation and storage of the vaccine was made.

As in previous years demonstrations for D. P. H., M. B. and Laboratory Technicians' Courses were duly held.

(d) **Work of the West Bengal Vaccine Institute.**—The total number of cow-calves vaccinated during the year 1952 was 3,734 as against 3,985 and 3,287 of the year 1951 and 1950 respectively. The average yield of pulp per calf during the year was approximately 194·4 grains against 182·1 and 197·8 grains of 1951 and 1950 respectively.

The quantity of vaccine lymph produced during the year under review was 242,100 c.c. as against 241,950 c.c. and 216,764·9 c.c. in 1951 and 1950 respectively.

The cost of manufacturing vaccine lymph has been 9·35 annas per c.c.

The total expenditure including overhead charges for supervision, etc., amounted to Rs. 1,41,576-7 and Rs. 1,47,814-11 for 1952 and 1951 respectively.

The quantity of vaccine lymph issued from the Institute was as follows:—

## Free to local bodies—

District Boards .. .. .	119,023 c.c.
Municipalities .. .. .	33,635 c.c.

## Others—

Civil Surgeons, Deputy Directorate of Health Services, Subdivisional Health Officers, etc. .. .. .	61,219 c.c.
Cash sale .. .. .	16,800 c.c.
Book transfer sale .. .. .	6,211 c.c.
Total ..	<u>236,888 c.c.</u>

The total sale proceeds of vaccine lymph including cash and Book transfer amounted to Rs. 64,283-11-6.

Like previous years, lectures and practical demonstrations were delivered to the students of the D. P. H. class, M. B. students of National Medical Institute and Medical College and Laboratory Technicians of the All-India Institute of Hygiene and Public Health.



**A statement showing the number and nature of food samples analysed and found adulterated during 1952 at the district Public Laboratories run by local bodies.**

Name of the Public Health Laboratory.	Mustard Oil.		Ghee.		Milk.		Dahl.		Butter.		Atta and Maida.		Other Samples Tea, Sugar, Vegetable Products.		Total.	
	Analy-sed.	Adul-terated.	Analy-sed.	Adul-terated.	Analy-sed.	Adul-terated.	Analy-sed.	Adul-terated.	Analy-sed.	Adul-terated.	Analy-sed.	Adul-terated.	Analy-sed.	Adul-terated.	Analy-sed.	Adul-terated.
<i>Murshidabad Public Health Laboratory.</i>																
Rural areas ..	543	44	16	4	98	62	5	4	0	0	36	0	90	7	788	121
Urban areas ..	101	10	19	7	42	30	0	0	1	1	4	1	4	0	171	49
<i>Jalpaiguri Public Health Laboratory.</i>																
Rural areas ..	485	11	23	15	236	151	23	20	13	4	23	0	27	8	830	209
Urban areas ..	181	7	49	15	412	164	2	2	4	4	1	0	13	2	662	194
<i>Suri Public Health Laboratory.</i>																
Rural areas ..	551	32	5	3	104	87	2	1	0	0	10	2	54	10	726	135
Urban areas ..	68	3	13	5	55	31	0	0	0	0	4	2	13	0	153	41
<i>Darjeeling Public Health Laboratory.</i>																
Rural areas ..	168	27	12	1	329	180	1	1	27	10	11	0	29	0	577	219
Urban areas ..	107	32	9	5	15	14	3	3	2	2	0	0	1	0	137	56
<i>Nadia Public Health Laboratory.</i>																
Rural areas ..	164	5	1	0	19	18	2	1	0	0	5	4	3	0	194	28
Urban areas ..	30	4	19	16	148	101	13	11	0	0	5	1	0	0	215	133
Total rural areas ..	1,911	119	57	23	768	498	33	27	40	14	85	6	203	25	3,115	712
Total urban areas ..	487	56	109	48	672	340	18	16	7	7	14	4	31	2	1,338	473





(f) **Pasteur Institute.**—The Institute remained open throughout the year including Sundays and holidays for prophylactic treatment of patients against Hydrophobia attending the Outdoor Department. Despatch of vaccine to the treatment Centres and private practitioners was made as usual.

The total number of patients that attended the Institute during the year was 5,100 showing a slight increase over that of the previous year. Of these 5,100 cases, 1,565 cases were given full course of treatment, 620 cases did not complete the treatment, 1,195 cases were referred to other hospitals and treatment centres and 1,720 cases were given advice only as no treatment was considered necessary for them. In 117 of these advice cases, treatment was begun and discontinued after 3rd day of injections as the biting animal remained alive and well. Percentage of indigent cases treated at this Institute in 1952 was 31.76.

The number of persons in Calcutta and its suburbs that reported for animal bites at the different centres during the year was 6,791.

**Vaccine Manufactured.**—The total quantity of vaccine manufactured during the year was 1,090,023 c.cs. of 5 per cent suspension. The following table shows the comparative figures of manufacture, total expenditure incurred by this Institute, and value of vaccine in the three years from 1950-51 to 1952-53:—

Year.	Manufacture.	Expenditure.	Value of vaccine issued.		
			Rs.	a.	p.
1950-51 .. ..	782,621 c.cs. ..	1,10,609 4 0	59,409	15	0
1951-52 .. ..	933,911 c.cs. ..	99,996 13 6	69,741	7	6
1952-53 .. ..	1,090,023 c.cs. ..	94,905 13 9	88,085	8	6

**Treatment.**—The vaccine in use throughout the year was 5 per cent sheep brain suspension in about 0.5 per cent. carbolic lotion prepared by Semple's technique with Paris Strain of fixed virus. The doses given are shown below:—

				Adults.	Children.	
Class I	..	..	..	2 c.c.	2 c.c.	Daily for 7 days.
Class II	..	..	..	5 c.c.	5 c.c.	Daily for 14 days.
Class III	..	..	..	10 c.c.	5 c.c.	Daily for 14 days.
Special Class	..	..	..	10 c.c.	5 c.c.	Daily for 3 days.

**Centres.**—During the year 9,165 courses of treatment were sent to the various centres in the districts of West Bengal and to other parties over the Northern and Eastern Railways, Coalfields, to some military centres and to private Medical and Veterinary practitioners all over the West Bengal and some places in Behar and Orissa for treatment of patients. 16,292 c.cs. of vaccine were issued for the treatment of animals. Out of the total number of courses of treatment sent, 2,433 statistical cards were received



back and the Health Returns were sent on that basis. Out of 2,433 cases, 1,806 cases were fully treated and 627 cases were partially treated at the centres.

**Results of treatment.**—The results are based on the health Returns of patients received back after six months of completion of treatment. The percentage of health returns received of patients who completed treatment at this Institute was 11.17 and the percentage of health returns of patients treated at the centres was 53.43. The total percentage of health returns received was 64.60 for the Institute and centres combined. The attached seven statistical tables for the year 1952, shows all particulars about cases and supply of vaccine to different places and centres.

**Deaths.**—There were 14 deaths reported during the year 1952. Of these, 11 cases were reported at this Institute and 3 at the centres. Eleven cases that developed symptoms of Hydrophobia and reported at this Institute had no anti-rabic treatment at all and hence were excluded from the statistics. Of the remaining three cases, no particulars could be obtained for two cases and one case was found to have died of other diseases and not of Hydrophobia. These cases are therefore not shown in the table.

No case of post-treatment paralysis was reported during the year.

**Teaching**—Sixty-one D.T.M., 47 L.T.M., 48 D.P.H., and 16 Laboratory Technical students—altogether 172 students attended classes and demonstration on Rabiology during the year under review. The D.T.M. and L.T.M. students also attended the Out-patients' Department for three days each.

Incidence of cases is steadily going up year by year. Rabies and Hydrophobia will continue uncontrolled if arrangements for destruction of pariah dogs and compulsory annual prophylactic inoculation of domestic dogs against rabies are not undertaken.

**Work of Chemical Examiner to the Government of West Bengal.**—During the year under review 31,011 articles sent in connection with 7,733 cases, were examined in the department as against 29,104 articles and 7,427 cases in the previous year, showing an increase of 1,907 articles and 306 cases. The increase will be noticed under heads "Human Poisoning Cases", "Animal Poisoning Cases", "Stain Cases", "Miscellaneous Cases", "Samples of Preservatives", "Excise Work (drugs)" and "Excise Work (alcohol)" (*vide* Appendix III).

The different sources, from which the above 31,011 articles in connection with 7,733 cases were received are shown below:—

Nature of cases.	West Bengal		Behar.		Orissa.		Assam.		Government of India.		Miscellaneous.	
	Cases.	Articles.	Cases.	Articles.	Cases.	Articles.	Cases.	Articles.	Cases.	Articles.	Cases.	Articles.
Medico-legal cases ..	1,215	2,935	1,249	3,244	372	1,236	40	85	11	21	8	11
General analysis ..	179	484	5	13	2	16	2	2	..	..	30	43
Excise work (drug) ..	575	2,601	1	2	11	14	4	4	..	..	..	..
Excise work (alcohol)	3,997	20,218	..	..	32	82	..	..	..	..	..	..
Total ..	5,966	26,238	1,255	3,259	417	1,348	46	91	11	21	38	54



A course of lectures in Organic and Physical Chemistry was delivered by the Professor of Chemistry, Medical College, Calcutta, to the two batches of students in the 1st and 2nd year classes during the year under review.

A portion of the biochemical work for the patients of the Medical College group of hospitals, Calcutta, of the Police Hospital, Calcutta, of the Sambhu Nath Pandit Hospital, Calcutta, of the Presidency Jail Hospital, Calcutta, and of the Kanchrapara Tuberculosis Hospital were conducted in the Chemistry Department by the Demonstrators under the supervision of the Professor of Chemistry as Chief Biochemist of the Medical College Hospitals. The total number of articles analysed during the year, in the form of qualitative and quantitative examination of blood, urine, faeces, cerebrospinal fluid, gastric contents etc. were 8,903 as against 6,662 in 1951.

**Research work and literary contributions.**—Research work was conducted in collaboration with Dr. S. Chowdhury, B.Sc., M.B., Assistant Chemical Examiner, Government of West Bengal (Medico-legal Section) and Shri Apurba Kumar Ghosal, B.Sc., Senior Demonstrator of Chemistry, Medical College, Calcutta (Teaching Section).

(A) Investigations of cases of Toxicological and Medico-legal importance were conducted in this department. The following investigations were taken up. Of these some were completed and were ready for publication while the others were still in progress:—

(1) “*Lead content of normal animal tissues*”. The viscera of a cow that died of suspected poisoning was received for examination from a dairy firm where several cattle had died showing similar symptoms. On examination of the tissues of the affected cow lead in considerable amount was found. As lead poisoning in the case of animals is extremely rare in this country, investigation has been taken up to ascertain the normal limit of lead in the tissues of cattle (ox, cow and buffalo). This result, it is hoped, will prove very helpful in expressing definite opinion in fatal cases of lead poisoning.

(2) “*Lead content of urine and dung of animals*”. To obtain a definite opinion it is also necessary to establish a normal limit for lead in samples of urine and dung of cattle (such as ox, cow, buffalo, horse, sheep and goat).

(3) “*Lead content of (a) Indian fodders and (b) soils and herbage*”. The investigation was taken up with a view to find out the cause of the mysterious death of several cows grazing on the field near a shooting range. In order to trace down the source of lead-poisoning suspected to have caused the death of the cows, their fodder and the soils as well as the herbage growing on the fields near about the shooting range were examined for their lead contents which were compared against the normal lead content of the materials. The field of investigation was further extended to cover some industrial areas (paints and tin are manufactured), sites of old military encampments, etc.

The analytical technique employed for the estimation of lead in these investigations comprised of destruction of the organic matter for liberating the metals in the samples by wet oxidation (Ramberg's method—The Analyst 1925, 50, 3) with nitric and sulphuric acids. Lead was then determined by the dithizone method (colorimetric) of Roche Lynch, Slater and Osler (The Analyst 1934, 59, 787) slightly modified by Bagchi and Ganguly (Ind. Jour. Med. Res. 1937, 25, 147).



(B) Investigations conducted in the Biochemical Section, Chemistry Department, Medical College, Calcutta:—

(1) "*Determination of Sodium and Potassium in children's diarrhoea, subacute nephritis, etc.*".—To find out the relation between the amount of sodium and potassium base in serum-whether potassium increases with decrease of sodium or they maintain the normal value. It is a known fact that sodium and potassium regulate the osmotic pressure and acid base balance of the body fluid. The increase of the potassium level has got toxic effect on the system.

**General Analytical Section.**—Five hundred fifty-eight articles, sent in connection with 218 cases, were examined in this section during the year under review as against 1,443 articles and 425 cases showing a decrease of 885 articles and 207 cases.

Out of the above 558 articles examined 484 were from West Bengal, 13 from Bihar, 16 from Orissa, 2 from Assam and 43 from Miscellaneous sources.

The nature of the articles examined during the year are as follows:—

(1) Foodstuff	...	...	...	141
(2) Soda ash	...	...	...	80
(3) Forgery	...	...	...	72
(4) Kerosene	...	...	...	52
(5) Drugs and medicine	...	...	...	51
(6) Explosives	...	...	...	31
(7) Cement	...	...	...	31
(8) Gold	...	...	...	9
(9) Paints	...	...	...	9
(10) Suspected substance	...	...	...	8
(11) Soap	...	...	...	7
(12) Tobacco	...	...	...	6
(13) Tar	...	...	...	5
(14) Bees'wax	...	...	...	5
(15) Cloth stains	...	...	...	3
(16) Manure	...	...	...	3
(17) Powerine	...	...	...	2
(18) Ultra Marine	...	...	...	2
(19) Arsenic Sulphide	...	...	...	1
(20) Carbolic Acid	...	...	...	1
(21) Coke	...	...	...	1
(22) Gall stone	...	...	...	1
(23) Urine	...	...	...	1
(24) Miscellaneous	...	...	...	36



The different sources, from which the above 588 articles in connection with 218 cases were received, are shown in Appendix IIIA.

**Excise Section (Drugs and Alcohol).—**During the year under review 22,921 articles, received in connection with 4,620 cases, were examined in this section. Of these 2,621 articles, in connection with 591 cases, were examined in the Drugs Branch and 20,300 articles in connection with 4,029 cases in the Alcohol Branch as against 20,098 articles and 4,133 cases of the previous year (1,895 articles in connection with 451 cases in Drugs branch and 18,203 articles in connection with 3,682 cases in Alcohol Branch) showing an increase of 726 articles and 140 cases in the Drugs Branch and of 2,097 articles and 347 cases in the Alcohol Branch. The different sources from which the above 22,921 articles in connection with 4,620 cases were received, are shown in Appendix IIIA.

(A) *Drugs Branch.*—Out of the above 2,621 articles examined in the Drugs Branch, 2,601 were received from West Bengal, 2 from Behar, 14 from Orissa and four from Assam.

The following excisable drugs were examined during the year:—

Opium and its derivatives	...	...	2,083
Poppy plants	...	...	32
Bhang, Ganja, Charas	...	...	500
Cocaine	...	...	6
			<hr/>
			2,621

(B) *Alcohol Branch.*—Of the 20,300 articles examined in this branch of the Excise Section, 20,218 were received from West Bengal and 82 from Orissa.

The nature of the articles examined in this branch were as follows:—

(1) Spirituous medicinal preparations for assay of alcoholic strength only	...	17,015
(2) Mritasanjibani	...	63
(3) Water for suitability for reduction of spirit strength		33
(4) Distillery samples (whisky, brandy, rum, gin, rectified spirit, country spirit, denatured spirit, molasses, fermented wash, etc.)	...	828
(5) Instruments (hydrometers and thermometers)		123
(6) Recipes	...	79
(7) Court cases (foreign liquor, plain spirit, bakhar, fermented wash, etc.)	...	1,884
(Of these 1,744 samples, i.e., 92.6 per cent. were found to be illicit in origin).		
(8) Miscellaneous samples (medicinal preparations, foreign liquor, country spirit, Tect. spirit, denatured spirit, bakhar, etc.)	...	185
(9) Samples from Orissa	...	82
		<hr/>
		20,300
		<hr/>

**Medico-legal Section**—(1) *Details of Medico-legal cases.*—Two thousand, eight hundred and ninety-five cases were examined in this section during the year under review as against 2, 869 in 1951 showing an increase of 26 cases. The total number of cases in which poisons, blood, semen, etc. were detected was 2,362, *i.e.*, 81.64 per cent. as against 81.66 per cent. in 1951, *vide* Appendix IIIA.

(2) *Details of Medico-legal articles.*—The total number of articles examined during the year, excluding the samples of preservatives, was 7,054 as against 7,040 in 1951, showing an increase of 14 articles, *vide* Appendix IIIA.

Four hundred and seventy-eight samples of preservatives received in connection with positive human and animal poisoning cases were also analysed.

The different sources, from which the above 7,532 articles (7,054 medico-legal articles and 478 samples of preservatives) in connection with 2,893 cases were received are shown below and compared with those of the two previous years:—

	1950.		1951.		1952.	
	Cases.	Articles.	Cases.	Articles.	Cases.	Articles.
West Bengal ..	1,066	2,368	1,164	2,844	1,215	2,935
Behar .. ..	1,270	3,447	1,299	3,628	1,249	3,244
Orissa .. ..	303	979	315	933	372	1,236
Assam .. ..	83	218	68	117	40	85
Government of India ..	6	8	19	34	11	21
Miscellaneous sources ..	10	27	4	12	8	11

#### (A) Human Poisoning Cases.

(1) **Human Viscera.**—Nine hundred and forty-five human viscera including 11 received in connection with abortion cases were examined as against 975 as in 1951 showing a decrease of 30 viscera. Poison was detected in 574 of them, *i.e.*, 60.74 per cent. as compared with 58.97 per cent. in 1951.

(2) **Vomit and excreta.**—One hundred and forty samples of vomited matters and excreta including 1 received in connection with an abortion case were received along with the viscera mentioned above as compared with 133 samples in 1951. Poison was detected in 79 of them, *i.e.*, in 56.42 per cent. as against 66.16 per cent. in 1951.

Two hundred and seventy-three samples of vomited matters and excreta including one in connection with an abortion case were received for examination without any viscera accompanying them as compared with 339 in 1951. Poison was detected in 203 of them, *i.e.*, in 74.35 per cent. as against 75.22 per cent. in 1951.

(3) **Human tissues.**—Eighty-four samples of human tissues were examined beside the human viscera noted above as against 78 samples in 1951. Poison was detected in 38 of them, *i.e.*, 45.23 per cent. as against 66.15 per cent. in 1951.



(4) **Substances other than viscera, vomit, etc., suspected to contain poison.**—Four hundred and seventeen such articles were analysed as compared with 469 in 1951. Of these 311 were received along with human viscera, vomit, etc., and in 163 of them poison was detected. The remaining 106 articles were received without any viscera, vomit, etc., accompanying them and in 70 of them poison was detected, *vide* Appendix IIIA.

(5) **Samples of preservatives.**—Four hundred and fifty-six samples of preservatives, received in connection with positive human cases, were examined and no poison was detected in them.

(6) The nature of the poisons detected in the viscera, vomit and excreta, tissues and substances suspected to contain poison has been shown in Appendix IIIA.

Alcohol was found to be the most commonly used poison, it was detected in 232 articles and the next commonly used poison was opium which was detected in 215 articles. Atropine, oleander, arsenic, aconite, salts of copper and hydrocyanic acid came next in order of frequency of the detected poison.

### (B) Animal Poisoning Cases.

(1) **Animal Viscera.**—The viscera of 90 animals (85 horned cattle, three dogs, one pig and one hen) were examined during the year under review as against 62 in 1951. Poison was detected in 51 of them, *i.e.*, 56.66 per cent. as against 83.87 per cent. in 1951.

(2) **Vomit and excreta.**—Forty such articles were received along with the animal viscera as compared with 36 in 1951. Poison was detected in 27 of them, *i.e.*, in 60.50 per cent.

Six such articles, received without any animal viscera accompanying them, were examined during the year under review, as against three in 1951. Poison was detected in five of them.

(3) **Tissues other than animal viscera.**—Three such articles were received for examination during the year. Poison was detected only in one of them. Only one such sample was received in the year 1951.

(4) **Substances suspected to be animal poisons.**—Thirty-seven such articles were examined during the year under review as compared with 49 in 1951. Poison was detected in 28 of them, *i.e.*, in 75.65 per cent. as against 91.83 per cent in 1951. Eight of these 37 articles were received along with animal viscera and poison was detected in three of them. The remaining 29 articles were received without any viscera or tissue accompanying them and poison was detected in 25 of them, *vide* Appendix IIIA.

(5) **Samples of preservatives.**—Twenty-two such samples, received in connection with positive animal poisoning cases, were examined and no poison was detected in them.

(6) The nature of poisons detected in animal viscera, vomit and excreta, tissues and in substances suspected to contain poison has been shown in Appendix IIIA. Arsenic was detected in 47 of them, *calotropis gigantea* (mādar) in 24, oleander in 16, *abrus precatorious* in 12, white arsenic in ten, aconite in three, opium in one and lead, copper and iron in one.

### (C) Stain Cases.

During the year under review 4,903 articles stated to have been stained with blood, semen, gonorrhoeal pus, saliva, purged matters, etc., received in



connection with 1,591 cases, were examined as against 4,834 articles and 1,511 cases in 1951, showing an increase of 69 articles and 80 cases.

(1) **Blood stains in murder cases.**—Three thousand nine hundred and seventeen articles, received in connection with 1,153 cases, were examined for detection of blood and determination of their origin. In 3,780 articles, *i.e.*, in 96·50 per cent. of those articles blood was detected, of which 2,641 articles were found to be stained with human blood, 13 with blood of ruminant animal and with a mixture of human blood and blood of ruminant animal and one with bird's blood. In 1,125 articles, although the presence of blood was proved, their origin could not be determined either because the stains were too small or they were found to be disintegrated by the serological tests. No blood was detected in 137 articles, *vide* Appendix IIIA.

(2) **Blood stains in rape and unnatural sexual offence cases.**—Two hundred and seventy-five articles, received in connection with 139 cases of rape and unnatural sexual offence cases, were examined for detection of blood and its origin. In 272 of these articles blood was detected, of which 190 articles were found to be stained with human blood of 81 articles, although the presence of blood was proved, their origin could not be determined either because the stains were too small or they were found to be disintegrated by the serological test and the remaining one article was found to be stained with a mixture of human blood and blood of ruminant animal. No blood was detected in three articles, *vide* Appendix IIIA.

(3) **Seminal stain cases.**—Six hundred and seventy-three articles, received in connection with 395 cases of rape and unnatural sexual offence cases, were examined and semen was detected in 597 of them. Fifty-nine of these were sent to the Serologist to determine the origin of the semen. Fifty-two of these were found to be of human origin and in 7 of them, their origin could not be determined as the stains were found to be disintegrated by the Serological tests, *vide* Appendix IIIA.

(4) **Other stains.**—Two hundred and fifty-three articles bearing other stains like gonorrhoeal pus, saliva, foecal matters, acids, alkalies, gunpowder, dyestuff, oil stains, etc., were examined during the year under review, *vide* Appendix IIIA.

#### (D) Miscellaneous Cases.

Six such cases were referred to this department during the year under review, for examination and opinion. One hundred and sixteen articles comprising hairs, bones, etc., were examined, *vide* Appendix IIIA.

#### Short history of interesting medicolegal cases.

(1) **Identification of hairs to prove overrunning by a lorry.**—The Special Superintendent of Police Criminal Investigation Department, West Bengal, forwarded two samples of hairs for comparison with the history that an old Muslim male aged about 80 years, was knocked down and runover by a lorry resulting in his instantaneous death. The driver tried to drive away with the lorry, but was, however, overtaken and arrested at a long distance from the place of the accident. Some hair with blood, found stuck to the rear left (inner) wheel, were seized and sent in a sealed packet for examination. During Post-Mortem examination of the dead body some hair were also preserved and sent in another sealed packet for comparison with the first group. On examination the two samples of hair were found to be of human



origin and from their morphological characters they appeared to be of similar type.

(2) **Nitric acid detected in a floating body (or a drowned body).**—The Coroner of Calcutta sent the viscera of a young man of 30 years with a history that the deceased was found struggling in the Hooghly River. He was at once removed to the Medical College Hospital for treatment but he died there within half-an-hour. There were marks of yellow stains on his finger and both angles of his mouth. On Post-Mortem examination the stomach was found charred inside. Nitric acid was detected in the viscera indicating that the victim took nitric acid for committing suicide and perhaps being unable to bear the intolerable pain due to the swallowing of the acid he jumped into the river to get some relief (or to put an end to his life).

(3) **Arsenic in cases of assault.**—The Coroner of Calcutta forwarded the viscera of two Hindu young men of ages 16 and 22 years for examination. The deceased were said to have been assaulted by some unknown men. They were removed to the Medical College Hospital in unconscious state and both of them died in the hospital after about eight hours. The Medical Officer suspected that death was due to haemorrhage as a result of abdominal injury caused by assault—homicidal in nature. But at the Post-Mortem examination all the internal organs with their membranes were found congested except the stomach which was found anaemic with some chocolate coloured fluid and mucus. Arsenic was detected in the viscera of each of the two young men.

(4) **Death from Carbon Monoxide poisoning in a closed room.**—The Coroner of Calcutta sent the viscera and blood of two adult Hindu males for examination. It was stated that they slept together in a room with closed doors and windows leaving a coke-stove burning inside the room. Next morning they were found unconscious in an atmosphere of smoke and they were at once removed to hospital where they were declared to be dead. Blood was found to be bright red and in liquid state. The internal organs were all found to be pink in colour. Carboxy-haemoglobin was detected in each of the two samples of blood. No poison was, however, detected in the viscera.

(5) **A fatal case of poisoning by cumulative action of Santonin in the treatment of worms.**—The Officer-in-charge of the Military Hospital, Panagarh, sent the viscera, urine and stool of a male child aged about 6 years who developed symptoms of poisoning after taking santonin prescribed by a doctor for treatment of his worms. He was given  $\frac{1}{4}$  grain of santonin three times a day for 5 days—no purgative was, however, given to him. He was removed to hospital in an unconscious state with spastic type of rigidity of the body and tonic convulsions of the whole body. Santonin was detected in the viscera as well as in the urine of the child. No santonin could be detected in his stool.

The dose of santonin prescribed by the doctor did not exceed the normal limit; but the cumulative action of this poisonous drug resulting from its repeated administration for five days (total 3.75 grains of santonin) without using any purgative was probably responsible for this santonin poisoning.

(6) **Fatal poisoning by "Patpati baji" (accidental).**—The Deputy Commissioner of Police (South District.), Calcutta, forwarded the viscera of a Muslim boy, aged about  $2\frac{1}{2}$  years, with the history that one after-noon while playing he swallowed some "patpati baji". He was removed to hospital and was declared to be out of danger and discharged early in the next morning. But he suddenly collapsed and died at about 2 p.m. On post-mortem



examination all the internal organs were found to be highly congested and the stomach contained mucoid material. Phosphorus was detected in the viscera.

(7) **Non-human hair mixed with oleander as human poison.**—The local police, Palamow, sent the viscera of an adult Hindu male for examination. In this connection the Subdivisional Officer, Palamow, also sent some “khichuri”, vomited matter and stool of the deceased. The history was that towards sunset the deceased took some “khichuri” at the house of the accused. While eating, he felt bitter taste and suspecting something foul he managed to remove a portion of the “khichuri” without anybody noticing it. Towards night he went with his sons and relatives to keep watch on his mahua grove. Then he began to feel the symptoms of intoxication and vomited and purged. At this he told his sons that perhaps the accused had mixed some poison in the “khichuri” and handed over to his sons the sample which he had with him. On returning home he again vomited and purged and ultimately died towards midnight. Oleander with non-human hair was detected in the viscera of the deceased as well as in the “khichuri”. Hair acted as a mechanical irritant to accelerate the effects of the irritant poison oleander.

(8) **Double poison—Arsenic and Cyanide.**—The Coroner of Calcutta sent the viscera of an unknown Hindu male, aged about 30 years, for examination. In this connection the Deputy Commissioner of Police, Calcutta, also sent a glass tumbler containing whitish deposits found in the house of occurrence. The history was that at about 3 p.m. the deceased in a drowsy condition knocked at the door of a public woman who opened the door and got him inside. At about 3-30 p.m. she found the man gasping. While he was being removed to the hospital he expired on the way. On post-mortem examination all the internal organs were found to be highly congested. Arsenic and cyanide were detected in the viscera as well as in the glass tumbler.

(9) **Accidental poisoning by Ammonia.**—The Coroner of Calcutta forwarded the viscera of two young men of 22 and 32 years with the history that one morning while they were engaged in overhauling the condenser of the ammonia gas plant, where they had been working, ammonia gas suddenly leaked through a valve of the condenser and as a result of which their throats were choaked. They were immediately removed to hospital for necessary treatment where both of them died within 48 hours. Post-mortem examination revealed generalised congestion of the viscera. On chemical examination a high percentage of ammonia and ammonium salts were detected in the viscera.

(10) **Cattle mortality in a dairy near a shooting range.**—A Veterinary Assistant Surgeon sent the viscera of a cow with the history that five animals belonging to a dairy farm had died within two days and a few others that survived were showing the following clinical symptoms:—

(a) Sub-normal temperature; (b) slight dullness; (c) sanguinous discharge from the nostrils. At the post-mortem examination the following had been noticed: (a) Subcutaneous haemorrhage, (b) stomach congested and containing fresh blood with some metallic particles; the m.m. detached from the lumen in irregular patches, (c) intestine highly congested, (d) sanguinous fluid in the peritoneal cavity. High amount of lead was detected in the viscera. Quantitative examination of the stomach and kidney respectively showed 6·1 mgm. and 8·5 mgm. of lead per kilo (normal limit being stomach=0·14 mgm. per kilo of a cow). Metallic particles in the stomach were found to be small bits of lead shots.

It was, therefore, a case of acute lead poisoning and the probable sources of lead being (a) the lead shots taken up mechanically by the animal while



grazing over the shooting range or (b) the lead content of the vegetation on the field (subject for special investigation).

(11) **Interesting finding in a sensational murder case.**—The Commissioner of Police, Calcutta, forwarded some blood-stained articles, *e.g.*, a knife, a bottle of Tincture Iodine, and some apparels (*i.e.*, a *dhoti*, a shirt, a vest and a pair of shoes) of a deceased person for examination with a history that a young Marwari boy, aged about 16 years, was found lying dead with a gaping cut wound on his throat in a pool of blood on the first floor of the premises where a young girl with whom he was reported to be in love resided. The blood-stained knife and the blood-stained bottle of Tinct. Iodine were lying near the dead body. The stains on each of the exhibits were found to be a human blood. But curiously enough, the vest of the deceased was found to have been stained with the blood of Group A, while the knife and the remaining apparels, *viz.*, the *dhoti*, the shirt and the pair of shoes were found to have been stained with blood of Group "O".

(12) **A case of rape with hymen intact.**—The Professor of Forensic and State Medicine, Medical College, Calcutta, forwarded the vulve-vaginal swab and smears of a girl, who had been kidnapped and later on married. On physical examination of the girl, her hymen was found intact. Notwithstanding, spermatozoa were detected in the vulve-vaginal swab of the girl.

**Provincial Drug Control Laboratory.**—The Laboratory has three sections, *viz.*, Chemical Section, Pharmacology Section and Bacteriology Section.

The work carried out by the three sections of the Laboratory in 1952 is as follows :—

Number of samples analysed in Chemical Section.	Number of samples analysed in Bacteriology Section.	Number of samples analysed in Pharmacology Section.	Total.
88	39	14	141

**Research work.**—In addition to its routine work this Laboratory has done some useful research work. The Analyst of this Laboratory has published a paper "Cashew-Nut (*Anacardium Occidentale* Linn) Shell oil as an Anthelmintic in Human Helmenthiasis" in collaboration with the Officer-in-charge, Helminthology Research Department, School of Tropical Medicine, Calcutta (Indian Medicine Gazette, December 1952, page 573). The mode of action of *Rawalfia Serpentine* is being carried out in the Pharmacological Section of this Laboratory.

**The income by analysing private samples.**—Eight private samples were analysed and the income in 1952 was Rs. 282.



## Chapter XV

### FAIRS AND FESTIVALS.

**Ganga Sagar Mela.**—The Ganga Sagar *Mela* was held on 14th January 1952 and 15th January 1952. Elaborate arrangements from medical and public health point of view were made in co-operation with district board authorities at the various strategic points enroute as well as in the *mela* proper. Every precaution was taken to see that the largest number of pilgrims, on the road or in the boats received anti-cholera inoculations and vaccinations and revaccinations against smallpox and that infectious cases were hospitalised and that the boats carrying infectious cases were thoroughly disinfected before these were allowed to proceed on their onward journey. Water sources along the routes were guarded and disinfected all through the said period.

**Diamond Harbour.**—*At Town proper.*—About 40,000 pilgrims passed through the place. Two pilgrim shelters were created—one by the 24-Parganas district board authorities off the Jetty Ghat and the other by the Railway authorities near the Railway Station. The district board erected one trench latrine and employed 10 sweepers and 8 methors. Drinking water was supplied from 4 tube-wells, one of which was fitted with 400 gallons reservoirs with taps. The tanks and other water sources in the area were daily disinfected twice. The Railway authorities also provided for wagons for edible water taps for supply to the pilgrims and general public and also arranged for service type latrines with six seats served by the Railway sweepers and methors.

Two mobile medical units together with a detachment of the St. John's Ambulance Brigade provided medical relief.

Preventive medicine was arranged through one district board Sanitary Inspector and 23 Health Assistants. Hospital facilities were provided to the pilgrims by the Diamond Harbour State Hospital with 12 general and six isolation beds plus one A. G. Hospital at the same place with 50 general and ten isolation beds. Besides, 12 temporary isolation beds were erected by the district board in the State Hospital compound. An ambulance (Government) car was available for service locally in addition to a dozen of stretchers in the hospital, the volunteers acting as the stretcher bearers.

The entire organisation as above was posted on duty from 8th January 1952 to 17th January 1952 under the direct supervision of the Subdivisional Health Officer, Diamond Harbour. Anti-epidemic measures carried out in this area are shown below:—

Anti-cholera inoculation.	Anti-smallpox vaccination.			Number of tanks disinfected with bleaching powder every 12 hours.	Number of cases medically treated.
	Primary.	Re-vaccination.	Total.		
3,144	12	7,680	7,701	7	599

In the Diamond Harbour subdivision Public Health staff were posted at all the principal embarkation and disembarkation ghats.

(i) *Calcutta.*—The embarkation ground was selected at Outram Ghat. Three temporary sheds with 68 temporary Service latrines divided in male



and female blocks were erected by the Port Health authorities. The Calcutta Corporation supplied sweepers and also provided for the drinking water through eight tanks, each of 1,000 gallons capacity fitted with taps.

Six Medical Officers, two Sanitary Inspectors and eight Health Assistants deputed by the Health Directorate carried out medical relief and preventive measures.

### Preventive measures carried out.

Anti-cholera inoculations performed.	Vaccination performed.		
	Primary.	Re-vaccination.	Total.
6,482	88	5,887	5,975

(ii) *Kakdwip Ghat Pilgrims*.—About 24,000.

Water-supply—Tube-wells 4. One reserved tank with pump, pipe and taps.

Medical Relief and preventive arrangements—Four Government Health Assistants and Mobile Assistants under one Government Sanitary Inspector together with three Health Assistants under one district board Sanitary Inspector were posted on duty.

Hospital arrangement—The 50-bedded Kakdwip A. G. Hospital was at the disposal of the pilgrims. An infectious ward was set up with a tent. Preventive measures carried out are shown below:—

Anti-cholera inoculation performed ..	..	..	19,865
Anti-smallpox vaccination performed—			
Primary ..	..	..	4,291
Re-vaccination ..	..	..	74
Total ..			4,365

(iii) *Kachuberia*.—Pilgrims 9,000.

Accommodation Dharmasala Drinking water-supply—Reserved tank—2.

Staff posted on duty—One Mobile Medical Unit and One Health Assistant and Sanitary Inspector deputed by the Health Directorate.

### Preventive measures carried out.

Anti-cholera inoculation performed ..	..	..	3,340
Anti-smallpox vaccination performed—			
Primary ..	..	..	195
Re-vaccination ..	..	..	1,890
Total ..			2,085
Number of cases medically treated ..	..	.	150

(iv) *Mansadwip* is a place about 5 miles above and to the north of the *mela* proper through which the land route from Kachuberia to the *mela* passes. There is one A. G. Hospital with 20 beds and a district board dispensary. One Government Health Assistant was posted. One tube-well provided drinking water.

(v) *Other wayside centres on the pilgrim routes*.—Besides the above, a number of wayside centres were arranged under supervision of the respective Subdivisional Health Officers for curative and preventive work amongst the pilgrims (on their way to and from the *mela*) in the subdivisions of Alipore in 24-Parganas, Uluberia in Howrah and Tamluk, Ghatal and Contai in Midnapore districts.

(vi) *Sagar mela (proper)*.—About a lac and twenty thousand pilgrims gathered for the ceremonial bath on 14th January 1952 and 15th January 1952. The arrangements at the *mela* ground proper are given below:—

- (1) Planning—The improvement in the planning and the general layout of huts, roads, privies, etc., effected since last year was maintained this year also.
- (2) Bathing place—As in the last year, a clean beach with a tolerably clean bathing place was provided this year also.
- (3) Water-supply—Two tanks out of six were used this year also. Both were disinfected with bleaching powder in advance on 7th January 1952. A difficulty which confronted this year was that due to want of rains, the total quantity of water in the tanks was much less than in the previous year.

The water was pumped from the tanks and further chlorinated with bleaching powder under the supervision of Public Health staff and disinfected through 31 street tanks (average capacity 250 gallons each) fitted with taps varying from 3 to 8 in number.

The entire water-supply arrangement was made as in the previous year under the direct management and supervision of an Assistant Engineer, Public Health Engineering of this Directorate.

- (4) Sweetmeat and Drink Shops—Some of the Venders of the sweetmeat and drink shops covered the food materials with curtains whereas others neglected doing so. Such delinquent vendors were severely warned.
- (5) Conservancy—Eight-hundred seats in trench latrines were provided in three blocks at the usual sites on the northern part of the *mela*. The pilgrims were directed by the mike and loud-speakers each day and guided to these latrines by the volunteers posted for this purpose specially. The latrines were periodically cleansed and treated with bleaching powder each day for which 80 sweepers employed by the District Board. Defaecation in the open by the pilgrims and others was controlled to a great extent by patrol volunteers and the beach was maintained fairly clean and tidy.

The refuse materials were being disposed of partly by burning and partly by burying.

The conservancy service was alert which consisted of 80 sweepers under seven Sanitary Inspectors and two Health Assistants aided by a batch of volunteers.



**Anti-epidemic measures.**—Anti- cholera inoculation and vaccination and revaccination against smallpox were given by seven Sanitary Inspectors and two Health Assistants.

**Preventive measures against cholera in the mela proper.**

Anti-cholera inoculation performed	..	..	..	15,237
Anti-smallpox vaccination performed—				
Primary	..	..	..	88
Re-vaccination	..	..	..	9,796
Total	..	..	..	<u>9,884</u>

A temporary Isolation hospital was constructed at the *mela* ground with 12 beds for cholera and 4 for smallpox with arrangement for expansion in case of emergency. There were adequate medicines and equipments with staff detailed for the purpose.

**Medical Relief.**—One dispensary was run throughout the day and night at the central place of the *mela* by the district board. Two general beds were also provided. A first aid centre was run by St. John's Ambulance Brigade near the temple. Eight-hundred and seventy-nine outdoor cases of sickness were treated till 6 p.m. on 15th January 1952.

**Epidemic Control.**—There was no outbreak of any epidemic disease in the *mela*. Four cases of suspected cholera and 1 from chickenpox all hailing from up country in boats were picked up on stretchers from boats and removed to the hospital for treatment. One of them died and the remaining convalescent cases were transferred to Diamond Harbour hospital through boats. The dead body was disposed of by burning.

**Other arrangements.**—Beside elaborate lighting arrangement that was made, a fire fighting service was maintained during the *mela* days. 98lb. of powdered milk were distributed free by the Indian Red Cross in the *mela*.

Figures given below will show the total number of centres arranged for both preventive and curative measures in Calcutta, two subdivisions of Howrah, two subdivisions of Midnapore and in Alipore and Diamond Harbour subdivisions of 24-Parganas including Gangasagar *mela* site.

Total number of centres	..	..	..	59
Anti-cholera inoculations	..	..	..	104,680
Vaccinations	..	..	..	36,888
Cases treated	..	..	..	1,904
Tanks disinfected	..	..	..	64

Since 1950 particular emphasis was laid on pushing on inoculations against cholera amongst the pilgrims enroute as well as in the *mela*. On close study of the figures during the period from 1940 till 1952 it showed that the increase in anti-cholera inoculation coincided with a decrease in the figures of morbidity and mortality from cholera.

**Tarakeswar Shivaratri Mela.**—The *mela* was held on 23rd February 1952. About 20,000 people attended the *mela*. One Medical Officer, two medical assistants, one Sanitary Inspector and two Health Assistants were deputed to



the *mela* by the Directorate of Health Services. The Subdivisional Health Officer Serampore, in company with one Medical Unit and two health assistants attended the *mela*. The District Health Officer, Hooghly, camped at Tarakeswar and supervised the sanitary arrangements.

The following sanitary arrangements were made in co-operation with the authorities of the Tarekaswar Estate:—

- (i) Water was supplied through street hydrants. All the local tube-wells were maintained in working order. Five tanks belonging to the Tarakeswar Estate were disinfected.
- (ii) In addition to the 60 permanent latrines, sufficient number of trench latrines were arranged for. The number of sweepers engaged were adequate.
- (iii) Foodstuff in all sweetmeat shops were kept under suitable covers and were frequently inspected by Public Health Inspecting staff.

**Outbreak of epidemic.**—There was no incidence of cholera or smallpox during the *mela* period. Altogether 8, 153 anti-cholera inoculations, 190 primary and 1,964 revaccinations were performed amongst the people in the *mela*.

**Tarakeswar Chaitra Sankranti Mela.**—The *mela* was held for five days from 10th April 1952 to 14th April 1952. About 25,000 people attended the *mela*.

There was adequate arrangement for water-supply. In addition to the 60 permanent latrines, sufficient number of trench latrines was arranged for. The number of sweepers engaged was adequate.

One Sanitary Inspector, three medical assistants and one Health Assistant were deputed to the *mela* by the Directorate of Health Services. In addition to this staff, the Subdivisional Health Officer, Serampore, attended the *mela*, with one mobile unit and two Health Assistants.

**Outbreak of epidemic in the mela.**—There were 12 cases and four deaths from cholera during the period under review.

The cholera cases were admitted into the local hospital for treatment. St. John's Ambulance and other voluntary organisation rendered helpful services in this connection. Altogether 2,500 anti-cholera inoculations were performed. Six houses were disinfected. There was no incidence of smallpox. Sixty-four primary vaccinations and 893 revaccinations were performed at the *mela*.



## Chapter XVI

### ORGANISATION OF HEALTH SERVICES.

The Medical and Public organisations were unified into one organisation according to the recommendation of the Bhole Committee and have been placed in charge of one administrative head—Director of Health Services. The process of unification is being gradually extended from the centre to its periphery by establishment of thana and Union Health Centres in rural areas of the State. The function of these health Centres comprises of the two-fold activities—carrying out (i) curative measures by treatment of different cases of ailments in indoor and outdoor sections of the health Centres and (ii) preventive measures against outbreaks of epidemic diseases—cholera, smallpox, etc., by pushing on anti-cholera inoculation and anti-smallpox vaccination.

The Director of Health Services was also the *ex-officio* Secretary of the Medical and Public Health Department. On the Secretariat side, he was assisted by the Deputy Secretary and the Assistant Secretary besides the Special Officer (Legislation) and the Registrar and also the Chief Engineer (Public Health Engineering) who was *ex-officio* Deputy Secretary of the Department.

On the Directorate Side, the Director of Health Services was assisted by four Deputy Directors and Chief Engineer (Public Health Engineering), each of whom was in charge of a particular branch, viz.,—

- |  |  |
|--|--|
| (1) Administration Branch dealing with cases relating to the Medical Administration.   | Deputy Director of Health Services (Administration).                           |
| (2) Medical Relief Branch dealing with various development schemes on medical side, also services, e.g., medical education, research, etc. | Deputy Director of Health Services (Medical Education, Research and Planning). |
| (3) Accounts, Audit and Verification Branch—dealing with inspection of accounts of the institutions and officers under this Directorate.   | Deputy Director of Health Services (Accounts, Audit and Verification).         |
| (4) Public Health Branch—dealing with all matters relating to the Public Health Administration.  | Deputy Director of Health Services (Public Health).                            |
| (5) Public Health Engineering Branch—dealing with all matters relating to Sanitary Engineering, Water-supply, etc.                         | Chief Engineer, Public Health Engineering.                                     |

The Deputy Directors of Health Services (Public Health) (Medical Education, Research and Planning) and (Administration) were assisted by the Assistant Directors of Health Services in the respective branches and the Chief Engineer, Public Health Engineering was assisted by the Executive Engineers and Assistant Engineers.

The Medical Administration in the districts was supervised by the Civil Surgeons, Assistant Surgeons, Sub-Assistant-Surgeons and Medical Officers of Health. On the Public Health side, the respective Regional Assistant Directors of Health Services controlled and supervised Public Health Administration in the districts. Subdivisional Health Officers, employed direct by



the Health Directorate were posted—one at each subdivision of the districts (excluding the district of Darjeeling where there were no Subdivisional Health Officers during 1952). Two-hundred and six Mobile Medical Units and 430 Health Assistants—all appointed by the Health Directorate were distributed all over the State. Their services were placed under the direct control and supervision of the respective Subdivisional Health Officers.

As regards Public Health Engineering, the district administration was carried on by the Executive Engineers who were assisted by the Assistant Engineers, Supervisors and Overseers.

Beside maintenance of five premier hospitals and other special hospitals including Kanchrapara T.B. Hospital, in the city of Calcutta and its suburbs, the State maintained all subdivisional hospitals and dispensaries at subdivisional headquarters, A. G. and F. R. E. Hospitals and thana and Union health centres. The other hospitals and dispensaries run under the auspices of the local committees, the thana and village dispensaries run by local bodies received grants-in-aid from Government.

The State maintained or subsidised medical schools and colleges at the city and in some of the districts.

One leprosy colony at Gouripur in the district of Bankura was maintained entirely at the State expense. The institution was started with 100 beds on 1st September 1949 with the provision for ultimate expansion to accommodate 500 beds within a period of five years. The total bed strength of the colony during the year under review was raised to 224 beds. Besides, the leprosy clinics, homes and hospital run by local bodies or private organisations received grants-in-aid from the Government.

Schemes on water-supply, drainage and sanitary measures were executed in municipal areas under direct control and supervision of the Chief Engineer, Public Health Engineering. For rural water-supply, a large sum of money was placed at the disposal of the Chief Engineer, Public Health Engineering, for sinking, resinking and repairs to tube-wells in rural areas. These water-supply projects as recommended by the District Water-supply Committees (of which the District Magistrates are *ex-officio* Chairmen) were executed through the agencies of the district authorities under supervision of the district staff of the Public Health Engineering with money and material purchased out of the amount allotted for the purpose.

Grants under various heads, viz., kala-azar, maintenance of rural health organisations, employment of permanent vaccinators and additional health assistants in thana health circles, etc., were paid annually to local bodies.

Medical and Public Health Administration of local areas covered by district boards and municipalities were carried out through their Medical and Public Health staff in co-ordination with Government Public Health staff posted in different districts of the State.

For the purpose of rural public health administration, 226 rural health circles were run by district boards and worked by qualified Sanitary Inspectors and their assistants under direct control and supervision of the District Health Officers.

In Darjeeling district 12 medical treatment centres functioned mainly at the expense of the State.



## RURAL HEALTH CENTRE SCHEME.

The scheme provides for re-organisation of the whole Medical and Public Health Services at the periphery into a unified health services in the rural areas of the State of West Bengal as envisaged in the Bhore Committee's recommendation. The Unified health service comprises both preventive and curative measures. On the medical side each health centre is provided with both indoor and outdoor sections for treatment. On the public health side, prophylactic measures against cholera and smallpox are carried out through the sanitary staff attached to the health centres.

Besides, the Medical officer of the health centre is also the School Medical Officer in his own area. He examines the school students and treats minor ailments amongst them, attending as well to non-technical work, viz., weight taking, height measurement, etc.

The health centres are generally of the five categories as mentioned below :—

- (i) 50-bedded thana health centres.
- (ii) 30-bedded thana health centres.
- (iii) 20-bedded thana health centres.
- (iv) 10-bedded union health centres.
- (v) 4-bedded union health centres.

During the year 1952-55, 46 health centres—9thana health centres and 37 union health centres were opened with 768 beds. This raises the total to 146 health centres—20 thana and 126 union health centres with a total number of 1912 beds up to 1952-53.

## Chapter XVII

### PERSONAL PROCEEDINGS STAFF FOR 1952.

Director of Health Services	..	..	Dr. B. C. Das Gupta, B.Sc., M.B., D.P.H. (Lond.) M.R.C.P. (Ire.), D.T.M. & H. (Lond.).
Deputy Director of Health Services (Administration).			Dr. A. M. Sen, M.B.
Deputy Director of Health Services (Medical Education, Research and Planning).			Dr. D. P. Dutta, M.B., D.P.H., D.T.M. & H. (Lond.), M.R.C.P. (Edin).
Deputy Director of Health Services (Public Health).			Dr. S. K. Sarkar, M.B., D.P.H., up to 15th May 1952, Dr. K. P. Bhattacharyya, M.B., D.P.H.. from 16th May 1952.
Deputy Director of Health Services (Accounts, Audit and Verification).			Shri K. S. Mitra, M.B.E., B.A., A.S.A.A. (Lond.), A.I.R.A.
Chief Engineer, Public Health Engineering	..		Shri P. C. Bose, B.Sc. (Glas.), M.I.E. (Ind.), F.N.F.
Special Officer (supervision)	..	..	Dr. P. C. Dutta, M.B., Ch.B. (Edin), L.R.C.P. (Lond.), M.R.C.S. (Engl.), F.R.C.S. (Edin.), D.P.H. (Edin.).
Personal Assistant to the Director of Health Services.			Mr. B. S. Regal, B.Sc.
Personal Assistant to the Chief Engineer, Public Health Engineering.			Shri Sudhindra Nath Das, B.Sc., A.M.I.E. (Ind.).
Special Officer (Health Centres)	..	..	Dr. N. C. Das Gupta, M.B., D.T.M., M.R.C.P. (Edin), D.P.H. (Lond.).
Director of Social Hygiene	..	..	Dr. Sourindra Kumar Ghosh, M.B., L.R.C.P (Lond.), F.R.C.S. (Eng.), up to 31st July 1952. The post of Director of Social Hygiene was abolished from 1st August 1952 and in its place the post of the Assistant Director of Health Services (Social Hygiene and Health Education) was created.
Assistant Director of Health Services (Epi- demic and Communicable Diseases).			Dr. K. P. Bhattacharyya, M.B., D.P.H., up to 15th May 1952. Dr. S. N. Banerjee, M.B., D.P.H. from 16th May 1952.
Assistant Director of Health Services (Public Health Administration), Western Circle.			Dr. D. N. Das, M.B., D.P.H.
Assistant Director of Health Services (Public Health Administration), North and Eastern Circle.			Dr. S. K. Chatterjee, M.B. D.P.H. & D.T.M.
Assistant Director of Health Services (Public Health Administration).			Dr. B. N. Brahmachari, M.B., D.P.H.
Assistant Director of Health Services (Tuber- culosis).			Dr. S. Majumdar, M. B., D.P.H., F.C.C.P. (America).
Assistant Director of Health Services (Vital Statistics).			Dr. P. G. Choudhury, B.Sc., M.B., D.P.H.
Assistant Director of Health Services (Indus- trial Hygiene).			Dr. H. Mukherjee, M.B., D.I.H. (Lond.).
Assistant Director of Health Services (Social Hygiene and Health Education).			Dr. Jayanta Kumar Bhattacharjee, M.B., D.P.H., M.P.H. (Thomas Hopkins), from 6th August 1952.



Assistant Director of Health Services (Malaria Research and Planning).	Dr. N. Ganguly, M.B., D.T.M., D.P.H.
Assistant Director of Health Services (School Hygiene and Nutrition).	Dr. S. R. Sen Gupta, M.B., D.P.H., P.H.D.
Assistant Director of Health Services (School Hygiene for Girls, Maternity and Child Welfare).	Dr. (Mrs.) Anila Banerjee, M.B., D.M.C.W. from 4th October 1952. Dr. Urmila Sen, M.B., D.M.C.W. up to 3rd October 1952 [in place of Dr. (Mrs.) Anila Banerjee on study leave.]
Drug Licensing Officer .. ..	Dr. D. Sett, M.B.
Superintendent of Nursing Services ..	Mrs. M. Mitter, R.N., R.M., R.H.V.
Administrative Officer (Administration) ..	Shri A. D. Chakraborty, B.A.
Administrative Officer (Medical Relief) ..	Shri B. N. Das Gupta, M.A.
Administrative Officer (Stores) ..	Shri P. K. Mukherjee, M.A.
Assistant Administrative Officers (Stores) ..	(1) Dr. S. K. Sen, M.B. (2) Shri A. K. Hore, B.E. (for Public Health Engineering).
Inspectors of Drugs .. ..	(1) Dr. K. C. Sen Gupta, M.B. (2) Dr. S. N. Dutta, M.B. (3) Shri R. Sen Gupta, B.Pharm. (4) Shri Tapabrata Roy Mahasay, B. Pharm.
Medical Officer, Writers' Buildings ..	Dr. Bireswar Dutta, M.B.

*Public Health Engineering.*

Executive Engineer (Eastern Circle) ..	Shri Arun Kumar Banerjee, B.Sc., B.E., A.M.I.E. (Ind.).
Executive Engineer (Western Circle) ..	Shri G. N. Mitra, B.E., A.M.I.E. (Ind.).
Anti-Malaria Engineer .. ..	Shri G. C. Ghose, B.E., C.E., M.R.S.I., A.M.I.C. (Lond.) A.M.E.
Assistant Engineer (Mechanical) ..	Shri G. N. Chatterjee, B.E., A.M.I.E. (Ind.).
Assistant Engineer (Planning) .. ..	Shri B. N. Sen, B.E.
Assistant Engineers .. ..	(1) Shri Sarat Kumar Majumdar, B.E., C.E. A.M.I.E. (Ind.). (2) Shri Subir Das Gupta, B.E. (3) Shri L. C. Sen Gupta, B.E. (4) Shri Sitangsu Sekhar Majumdar, B.Sc., A.M. I.E. (Ind.). (5) Shri Kunjalal Mukherjee, B.E.
Executive Engineer, K. D. A. Division ..	Shri S. N. Basak, B.E.C.E., A.M.I.E. (Ind.).
Assistant Engineer, K.D.A. Division ..	Shri B. N. Bhattacharjee, B.Sc., B.E.C.E., M.E. (P.H.).
Subdivisional Officer, K.D.A. Division ..	Shri K. L. Samanta, B.E.
Entomologist .. ..	Dr. P. Sen, M.Sc., P.H.D. (Lond.), D.E.C.
Officer-in-charge, Ludlowii Survey and Control.	Dr. S. N. Banerjee, M.B., D.P.H. (up to 15th May 1952). Dr. G. C. Sinha, M.B., D.P.H., from 16th May 1952.

Assistant Malariologist	..	..	Dr. G. C. Sinha, M.B., D.P.H. (up to 15th May 1952). Dr. Gour Mohan Das, B.Sc., M.B., D.T.M., D.P.H. from 16th May 1952.
Epidemiologist	..	..	Dr. Gour Mohan Das, B.Sc., M.B., D.T.M., D.P.H.
Officer-in-charge of Training, Singur Health Centre.			Dr. J. K. Bhattacharyya, B.Sc., M.B., D.P.H. (Cal.), M.P.H. (Thomas Hopkins) up to 5th August 1952. Dr. P. C. Sen, M.B., D.P.H., from 6th August 1952.
Assistant Officer-in-charge of Training, Singur Health Centre.			Dr. P. C. Sen, M.B., D.P.H.
Principal-cum-Superintendent, Medical College and Hospital, Calcutta.			Dr. D. C. Chakraborty, F.R.C.S.E.
Principal-cum-Superintendent, Lake Medical College and Hospital.			Dr. K. L. Sen, D.O.M.S. (Lond.) F.R.C.S.E.
Principal-cum-Superintendent, Nilratan Sircar Medical College Hospital and School.			Dr. A. K. Dutta Gupta, M.B., D.T.M.
Surgeon Superintendent, Presidency General Hospital, Calcutta.			Dr. N. C. Chatterjee, M.B.
Surgeon Superintendent, Sambhunath Pandit Hospital, Calcutta.			Dr. S. C. Gupta, M.B., F.R.C.S.
Medical Superintendent, Lady Dufferin Victoria Hospital, Calcutta.			Dr. M. Catchatoor, M.B.
Chemical Examiner to Government of West Bengal.			Dr. S. K. Chatterjee, M.B., D.T.M., Ph.D. (Edin.).
Surgeon Superintendent, Howrah General Hospital.			Dr. M. P. Talukdar, M.B.
Superintendent, Mental Observation Ward, Bhowanipore.			Dr. Kabir Hossain, M.B., D.T.M.
Superintendent, Pasteur Institute, Calcutta			Dr. J. B. Banerjee, M.B.
Bacteriologist to Government of West Bengal			Dr. B. P. Tribedi, M.B., D.B. (Lond.).
Medical Officer, Governor's Staff Dispensary			Dr. H. C. Mukherjee, L.M.F.
Blood Transfusion Officer	..	..	Dr. A. Sen, M.B.
Superintendent, Vaccine Institute		..	Dr. B. N. Dutt, M.B., D.P.H.
Superintendent, Vaccine Laboratory		..	Dr. N. K. Roy, B.A., D.Bact. (Manchester) up to 2nd May 1952. Dr. B. N. Dutta, M.B., D.P.H., from 3rd May 1952.
Public Analyst, Food and Water		..	Dr. S. N. Mitra.
Public Analyst for Drugs	..	..	Dr. P.K. Sanyal.
Public Analyst, Bacteriology	..	..	Dr. R. K. Banerjee, M.B., D.T.M., D.P.H.
Entomologist	..	..	Dr. P. Sen, M.Sc., Ph.D. (Lond.), D.I.C. (Lond.).
Surgeon Superintendent, M. J. N. Hospital, Cooch Behar.			Dr. N. L. Das, M.B., M.S. (Cal.), from 15th August 1952.
Superintendent, Kanchrapara T. B. Hospital			Dr. S. K. Ganguly, M.B., D.T.M., T.D.D. (Wales).



Superintendent, M. R. Bangur Sanatorium, Digri.	Dr. N. M. Sinha, M.B., T.D.D. (Wales).
Superintendent, Ronaldshay Medical School, Burdwan.	Dr. P. B. Bhattacharjee, M.B., D.T.M.
Superintendent, Jackson Medical School, Jaipalguri.	Dr. A. B. Banerjee, M.B.
Superintendent, Gouripore Leprosy Colony, Bankura.	Dr. B. N. Ghosh, M.B., up to 30th June 1952. Dr. H. D. Banerjee, M.B., from 1st October 1952
Civil Surgeon, 24-Parganas.    ..    ..	Dr. S. C. Gupta, M.B., F.R.C.S.
Civil Surgeon, Howrah.    ..    ..	Dr. M. P. Talukdar, M.B.
Civil Surgeon, Hooghly    ..    ..	Dr. H. K. Indra, M.B., D.O. (Lond.).
Civil Surgeon, Midnapore    ..    ..	Dr. P. S. Bhattacharjee, M.B., up to 7th April 1952. Dr. Sukumar Bhattacharjee, M.B., from 24th June 1952.
Civil Surgeon, Murshidabad    ..    ..	Dr. H. K. Dutta, M.B.
Civil Surgeon, Birbhum    ..    ..	Dr. H. C. Maitra, M.B.
Civil Surgeon, Bankura    ..    ..	Dr. N. C. Dewan, M.B., up to 7th August 1952 (fortnight). Dr. S. Basu, M.B., from 7th August 1952.
Civil Surgeon, West Dinajpur    ..    ..	Dr. Sukumar Bhattacharjee, M.B. up to 14th June 1952 (A. N.). Dr. C. R. Dutta, M.B., D.T.M. from 14th June 1952 (A. N.).
Civil Surgeon, Jalpaiguri    ..    ..	Dr. A. B. Banerjee, M.B.
Civil Surgeon, Darjeeling    ..    ..	Dr. S. N. Choudhuri M.B.
Civil Surgeon, Malda    ..    ..	Dr. C. R. Dutta, M.B., D.T.M., up to 11th June 1952 (fortnight). Dr. B. N. Mukherjee, M.B., from 11th June 1952 to 28th October 1952 (fortnight). Dr. P. S. Bhattacharjee, M.B., from 28th October 1952 (fortnight).
Civil Surgeon, Burdwan    ..    ..	Dr. P. B. Bhattacharjee, M.B., D.T.M.
Civil Surgeon, Nadia    ..    ..	Dr. Sukumar Basu, M.B., up to 14th April 1952. Dr. H. D. Banerjee, M.B., from 27th April 1952 to 14th August 1952 (fortnight). Dr. N. C. Dewan, from 14th August 1952.
Civil Surgeon, Cooch Behar    ..    ..	Dr. R. N. Guha Majumdar, B.Sc., M.B., F.R.C.S. (Edin.), F.R.F.P. & S. (Glas.).

*Subdivisional Health Officers.*

Subdivisional Health Officer, Katwa    ..	Dr. Gour Hari Sen, M.B., D.P.H.
Subdivisional Health Officer, Barrackpur    ..	Dr. Jagat Bandhu Chatterjee, M.B., D.P.H.
Subdivisional Health Officer, Ghatal    ..	Dr. Niranjana Kumar Sarkar, M.B., D.P.H.

Subdivisional Health Officer, Berhampore ..	Dr. Atulananda Das Gupta, M.B., D.P.H. & D.T.M.
Subdivisional Health Officer, Jhargram, up to 4th April 1952 and then to Arambagh.	Dr. Hari Sadhan Ghosh, M.B., D.P.H. & D.T.M.
Subdivisional Health Officer, Burdwan up to 30th June 1952. His service terminated on 1st July 1952.	Dr. Sailendra Kumar De, M.B.
Subdivisional Health Officer, Tamluk ..	Dr. Pramatha Nath Guha Biswas, M.B., D.P.H.
Subdivisional Health Officer, Balurghat ..	Dr. Sakti Bhusan Roy, M.B., D.P.H.
Camp Health Officer, Dhubulia, up to 25th February 1952, Subdivisional Health Officer, Uluberia, from 26th February 1952.	Dr. Ramash Acharjea, M.B., D.P.H.
Subdivisional Health Officer, Malda ..	Dr. Subal Chandra Panja, M.B., D.P.H.
Subdivisional Health Officer, Kalna ..	Dr. Satya Niranjana Kar, M.B., D.P.H.
Subdivisional Health Officer, Asansol ..	Dr. Manindra Bhusan Das Gupta, M.B., D.P.H.
Subdivisional Health Officer, Suri ..	Dr. Biswanath Banerjee, M.B., D.P.H.
Subdivisional Health Officer, Howrah, Sadar	Dr. Haridas Chakravorty, M.B., D.P.H.
Subdivisional Health Officer, Lalbagh ..	Dr. Saradindu Mukherjee, M.B., D.P.H.
Subdivisional Health Officer, Raiganj ..	Dr. Ardhendu Lal Roy, M.B., D.P.H.
Subdivisional Health Officer, Diamond Harbour.	Dr. Amal Krishna Pal, M.B., D.P.H.
Subdivisional Health Officer, Bongaon ..	Dr. Debendra Chandra Pal, M.B., D.P.H.
Subdivisional Health Officer, Serampore ..	Dr. Jamini Kanta Basu, M.B., D.P.H.
Subdivisional Health Officer, Midnapore, Sadar.	Dr. Prafulla Chandra Ganguly, M.B., D.P.H.
Subdivisional Health Officer, Baraset ..	Dr. Manindra Prasad Mukherjee, M.B., D.P.H.
Subdivisional Health Officer, Jangipur ..	Dr. Santosh Kumar Roy Choudhury, M.B., D.P.H.
Subdivisional Health Officer, Alipore (24-Parganas).	Dr. Rajendra Nath Sen, M.B., D.P.H.
Subdivisional Health Officer, Basirhat ..	Dr. Suresh Prasanna Roy, M.B., D.P.H.
Subdivisional Health Officer, Chinsurah ..	Dr. Santimoy Das Gupta, M.B., D.P.H.
Subdivisional Health Officer, Bankura, Sadar	Dr. Jyotirmoy Nath, M.B., D.P.H.
Subdivisional Health Officer, Jalpaiguri, Sadar.	Dr. R. N. Banerjee, M.B., D.P.H.
Subdivisional Health Officer, Ranaghat ..	Dr. Rabindra Nath Gupta, M.B., D.P.H., D.T.M.
Subdivisional Health Officer, Kandi ..	Dr. Golak Chandra De, M.B., D.P.H.



- Subdivisional Health Officer, Contai .. Dr. Sudhir Kumar De, M.B., D.P.H.
- Subdivisional Health Officer, Krishnagar .. Dr. Radhashyam Sinha Biswas, M.B., D.P.H.
- Subdivisional Health Officer, Jhargram from 15th April 1952. Dr. Madhu Sudan Gupta, M.B., D.T.M., D.P.H.
- Subdivisional Health Officer, Vishnupur .. Dr. Sakti Pada Mukherjee, M.B., D.P.H.
- Subdivisional Health Officer, Cooch Behar, Sadar, from 21st April 1952. Dr. Nirendra Nath Mazumdar, M.B., D.P.H.
- Subdivisional Health Officer, Burdwan, Sadar, from 1st July 1952. Dr. Deba Prasad Banerjee, M.B., D.P.H.
- Subdivisional Health Officer, Rampurhat .. Dr. Rabindra Nath Mukherjee, M.B., D.T.M., D.P.H.

## **APPENDIX I.**



# APPENDIX I.

## Vital statistics of the district of West Bengal for the year 1952.

### Annual Form No. I.—Birth registered in the districts of the West Bengal State during the year 1952.

Serial No.	Districts.	Estimated mid-year population of 1952.			Number of births registered (exclusive of still-births.			Ratio of births per 1,000 of population.			Mean ratio of births per 1,000 of population for five years (1947-51).			
		Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	
1	Burdwan	..	1,176,402	1,046,468	2,222,870	26,250	24,286	50,536	11.8	10.9	22.7	10.7	10.0	20.7
2	Birbhum	..	551,784	536,962	1,088,746	18,380	17,251	35,631	16.9	15.9	32.8	12.5	11.9	24.4
3	Bankura	..	679,942	667,592	1,347,534	19,884	19,160	39,044	14.7	14.2	28.9	11.4	10.	22.1
4	Midnapore	..	1,755,551	1,674,288	3,429,839	47,593	43,587	91,180	13.8	12.6	26.4	12.4	11.5	23.9
5	Hooghly	..	834,798	740,638	1,575,436	17,866	16,070	33,936	11.3	10.1	21.4	10.4	9.3	19.7
6	Howrah	..	894,530	725,337	1,619,867	14,199	12,601	26,800	8.8	7.8	16.6	7.8	7.1	14.9
7	24-Parganas	..	2,520,563	2,128,620	4,649,183	38,728	33,994	72,722	8.5	7.5	16.0	8.8	7.9	16.7
8	Calcutta	..	1,631,997	936,767	2,568,764	30,764	28,877	59,641	12.0	11.3	23.3	12.3	11.5	23.8
9	Nadia	..	598,271	560,977	1,159,248	13,123,	11,979	25,102	11.3	10.3	21.6	12.6	11.5	24.1
10	Murshidabad	..	888,173	864,183	1,752,356	25,202	23,466	48,668	14.4	13.4	27.8	13.1	12.1	25.2
11	West Dinajpur	..	387,246	340,200	727,446	9,777	9,354	19,131	13.4	12.8	26.2	13.2	12.2	25.4
12	Jalpaiguri	..	508,889	421,132	930,021	14,988	14,586	29,574	16.2	15.7	31.9	17.4	16.6	34.0
13	Darjeeling	..	241,187	208,276	449,463	6,011	5,852	11,863	13.3	13.0	26.3	15.3	14.7	36.0
14	Malda	..	481,764	465,481	947,245	11,384	9,968	21,352	12.0	10.6	22.6	11.0	9.8	20.8
West Bengal		..	13,151,097	11,316,921	24,468,018	294,149	271,031	565,180	12.0	11.1	23.1	11.4	10.5	21.9

**Annual Form No. 1A—Still Births registered according to Class and Sex in the districts of West Bengal during the year 1952.**

Serial No.	Districts.	Still-Births.												Percent- age ratio to still and live births	
		Hindus.		Muslims.		Buddhists.		Christians.		Other classes.		Total.			
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.		
1	Burdwan	276	180	53	46	..	..	..	..	2	..	331	226	557	1.1
2	Birbhum	342	280	82	70	..	..	..	..	5	8	429	358	787	2.2
3	Bankura	138	107	3	1	..	..	..	..	..	..	141	108	249	.6
4	Midnapore	441	340	7	8	..	..	..	..	1	..	449	348	797	.9
5	Hooghly	135	64	12	..	..	..	..	..	..	..	147	64	211	.6
6	Howrah	264	81	69	40	..	..	..	..	..	..	333	121	454	1.7
7	24-Parganas	371	222	76	57	..	..	..	..	..	..	447	279	726	1.0
8	Calcutta	1,494	1,203	258	166	..	..	35	18	4	3	1,791	1,390	3,181	5.1
9	Nadia	110	66	17	12	..	..	..	2	2	..	129	80	209	.8
10	Murshidabad	303	199	260	184	..	1	..	..	1	..	564	384	948	1.9
11	West Dinajpur	249	172	154	117	..	..	..	1	6	6	409	296	705	3.6
12	Jalpaiguri	585	465	68	61	1	..	19	17	9	5	682	548	1,230	4.0
13	Darjeeling	202	167	2	1	21	21	5	4	..	..	230	193	423	3.4
14	Malda	125	96	96	51	..	..	..	..	14	10	235	157	392	1.8
West Bengal ..		5,035	3,642	1,157	814	22	22	59	42	44	32	6,317	4,552	10,869	1.9



Annual Form No. 11.—Deaths registered in the districts of the State of West Bengal during the year 1952.

Serial No.	Districts.	Average population per square mile.	Deaths.		Deaths per 1,000 of population from:										All causes.			Mean ratio of death per 1,000 of population for five years (1947-1951).		
			Male.	Female.	Total.	Cholera.	Small-pox.	Plague.	Fevers.	Dysentery and diarrhoea.	Respiratory diseases.	Injuries.	All other causes including child birth.	Male.	Fe-male.	Total.				
1	Burdwan	822	11,757	10,099	21,856	.2	.2	..	5.0	.4	.9	.3	3.0	10.0	9.7	9.8	16.0	16.9	16.4	
2	Birbhum	625	7,032	6,321	13,353	.1	.5	..	8.1	.1	.4	.2	3.1	12.7	11.8	12.3	22.5	22.3	22.4	
3	Bankura	509	8,254	6,949	15,203	.1	.2	..	5.8	.6	1.1	.3	3.2	12.1	10.4	11.3	17.3	16.7	17.0	
4	Hooghly	1,304	7,696	6,429	14,125	.2	.1	..	2.9	.8	1.3	.3	3.3	9.2	8.7	8.9	13.6	14.6	14.1	
5	Midnapore	653	20,674	19,335	40,009	.2	.04	..	6.1	.6	.8	.3	3.6	11.8	11.6	11.6	16.4	17.0	16.7	
6	Howrah	2,893	8,942	7,536	16,478	.6	.1	..	1.7	1.5	1.9	.4	4.0	10.0	10.4	10.2	14.1	16.5	15.2	
7	24-Parganas	824	19,830	16,677	36,507	.4	.2	..	3.3	.5	.6	.3	2.7	7.9	7.8	8.0	11.5	12.5	12.0	
8	Calcutta	80,274	20,663	17,759	38,422	.5	.1	.01	1.3	1.7	3.7	.4	7.2	12.6	19.6	15.0	17.8	35.1	23.1	
9	Nadia	768	5,442	4,833	10,275	.2	.1	..	5.9	.1	.3	.3	1.9	9.1	8.6	8.8	20.1	20.8	20.5	
10	Murshidabad	846	9,158	7,880	17,038	.2	.3	..	5.8	.1	.2	.3	2.8	10.3	9.1	9.7	17.2	16.3	16.8	
11	West Dinajpur	525	5,630	5,044	10,674	.02	.2	..	8.2	.2	2.0	.4	3.6	14.5	14.8	14.6	17.2	22.9	23.1	
12	Jalpaiguri	392	7,841	7,452	15,293	..	.004	..	6.0	1.2	3.2	.2	5.9	15.4	17.7	16.5	23.0	24.7	23.4	
13	Darjeeling	375	3,620	3,340	6,960	.01	.01	..	7.8	1.0	2.0	.3	4.4	15.0	16.0	15.5	21.8	23.2	22.5	
14	Malda	680	5,130	4,123	9,253	.03	.1	..	7.2	.1	.3	.3	1.8	10.7	8.9	9.8	14.9	12.8	13.8	
Total for the State ..			823	141,669	123,777	265,446	.2	.1	.001	4.6	.7	1.2	.3	3.6	10.8	10.9	10.8	16.3	17.9	17.0

Annual Form No. III.—Deaths registered in the districts (Rural Circles) and towns of West Bengal during each month of the year 1952..

Serial No.	Districts	January	February	March	April	May	June	July	August	Septem- ber	October	November	December	Total deaths registered during the year.
A—RURAL DISTRICTS														
1	Burdwan	1,610	1,714	1,828	1,687	1,611	1,307	1,281	1,764	1,644	1872	2,060	2,141	20,519
2	Birbhum	921	1,087	1,339	1,163	994	1,035	980	1,088	1,139	1,091	993	1,095	12,925
3	Bankura	1,150	1,177	1,258	1,248	1,412	1,193	1,282	1,496	1,250	1,229	1,063	1,095	14,853
4	Midnapore	3,831	3,662	3,358	2,911	2,697	2,431	2,640	3,327	3,089	3,701	3,671	3,676	38,994
5	Hooghly	917	759	831	850	985	619	730	833	880	1,011	931	1,133	10,479
6	Howrah	591	766	701	506	676	535	475	749	647	612	702	850	7,810
7	24-Parganas	2,875	2,828	2,334	2,289	2,118	1,741	1,747	1,995	1,942	2,222	2,346	2,597	27,034
8	Nadia	675	603	724	893	648	516	571	640	699	941	1,070	1,108	9,088
9	Murshidabad	1,404	1,198	1,578	1,449	1,333	1,161	1,190	1,293	1,012	1,309	1,617	1,408	15,952
10	West Dinajpur	815	803	994	911	768	778	639	924	678	1,056	997	1,239	10,602
11	Jalpaiguri	1,065	879	1,073	1,173	1,182	1,244	1,329	1,277	1,338	1,344	1,450	1,478	14,832
12	Darjeeling	467	420	475	477	542	547	520	522	485	535	442	462	5,894
13	Malda	718	689	884	824	797	552	623	647	593	914	780	1,084	9,105

Total of Rural Districts	17,039	16,585	17,377	16,381	15,763	13,659	14,007	16,555	15,396	17,837	18,122	19,366	198,087
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Ratio per 1,000 of population in Rural Districts.	10.9	10.6	11.1	10.5	10.1	8.7	8.9	10.6	9.8	11.4	11.6	12.4	10.5
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Serial No.	Districts	January	February	March	April	May	June	July.	August	Septem-ber.	October	November	December	Total deaths registered during the year.
B--TOWNS.														
Burdwan District.														
1	Burdwan	..	57	33	30	24	30	41	41	44	78	64	68	547
2	Kalna	..	27	21	21	16	12	20	22	25	18	18	30	244
3	Katwa	..	6	9	10	15	15	8	7	3	6	14	18	127
4	Dainhat	..	1	8	5	3	1	2	1	2	3	2	2	34
5	Raniganj	..	7	8	10	19	10	20	19	19	12	11	10	167
6	Asansol	..	10	14	18	20	28	31	33	14	11	6	6	218
Birbhum District.														
7	Suri	..	8	13	12	10	8	21	10	10	9	32	22	173
8	Bolpore	..	10	9	10	7	4	1	15	4	7	5	5	82
9	Rampurhat	..	3	8	100	12	7	7	8	5	4	1	2	173
Bankura District.														
10	Bankura	..	16	9	15	18	13	8	16	18	11	18	21	176
11	Bishnupore	..	12	7	6	12	5	8	10	4	10	14	7	99
12	Sonamukhi	..	7	4	6	7	9	6	9	6	7	4	5	75
Midnapore District.														
13	Midnapore	..	41	73	43	52	41	48	39	38	57	42	57	570
14	Ghatal	..	6	6	7	11	13	6	13	11	7	9	8	105
15	Kharar	..	5	3	2	..	4	3	1	1	..	2	2	29
16	Chandrakona	..	10	3	7	4	2	6	7	9	8	7	9	80
17	Ramjibanpore	..	7	10	4	10	10	4	7	6	5	8	5	81
18	Khirpai	..	7	8	5	4	5	4	3	3	3	4	13	64
19	Tamluk	..	11	11	6	4	6	6	1	14	8	13	3	86

Hooghly District

20	Hooghly Chinsurah	..	69	72	90	62	84	42	81	100	80	111	66	85	942
21	Bansberia	..	24	17	19	19	9	11	20	21	20	27	14	11	212
22	Arambagh	..	4	9	13	12	5	4	7	4	9	3	2	6	78
23	Serampore	..	100	98	133	112	114	72	89	124	92	128	117	100	279
24	Baidyabati	..	16	14	16	24	17	19	15	21	9	31	17	19	218
25	Rishra	..	12	15	8	11	4	10	9	9	14	3	15	10	120
26	Uttarpara	..	14	8	10	32	41	4	13	9	10	18	11	21	191
27	Kotrung	..	9	5	3	12	6	5	10	12	5	15	7	8	97
28	Bhadreswar	..	17	12	15	20	17	18	27	19	19	26	22	26	238
29	Champdani	..	11	11	14	15	20	14	20	15	16	19	16	18	189
30	Konnagar	..	6	7	10	3	7	7	6	7	12	3	7	7	82

Howrah District.

31	Howrah	..	872	641	561	694	633	565	700	695	720	772	764	823	8,440
32	Bally	..	25	29	27	21	9	20	15	21	4	17	15	25	228

24-Parganas District.

33	Tollygunge	..	8	5	12	9	12	9	12	1	3	9	18	12	110
34	South Suburban	..	67	59	84	79	113	65	66	86	75	69	117	83	963
35	Garden Reach	..	58	40	58	57	79	54	74	57	80	76	59	74	766
36	Budge Budge	..	26	22	23	15	22	17	22	38	19	29	29	18	280
37	Baruipur	..	3	2	1	..	3	1	2	3	3	2	2	6	28
38	Rajpur	..	6	8	7	6	11	6	6	3	5	14	14	8	94
39	Joynagar Majilpur	..	4	4	5	4	5	5	1	6	3	3	8	4	52
40	Dum Dum	..	..	..	2	2	..	1	2	3	4	4	3	5	28
41	North Dum Dum	..	..	..	..	..	1	1	2	3	3	2	1	2	15
42	South Dum Dum	..	15	..	5	1	10	9	10	7	6	3	7	2	75
43	Khardah	..	8	1	8	4	4	7	1	10	3	4	6	7	63



Serial No.

Districts

January

February

March

April

May

June

July

August

Septem-ber

October

November

December

Total deaths registered during the year.

24-Parganas District—contd.

44	Panihati	..	6	4	8	6	7	3	9	3	9	8	13	15	91
45	Garulia	..	14	18	13	20	11	11	12	9	13	12	16	18	167
46	North Barrackpore	..	14	4	12	21	6	6	16	16	11	10	13	22	151
47	Barrackpore	..	20	13	38	21	25	38	2	43	36	46	30	53	365
48	Titagarh	..	100	84	86	89	83	98	97	100	86	93	118	117	1,151
49	Naihati	..	28	41	27	22	17	22	37	26	17	38	29	35	339
50	Bhatpara	..	164	166	156	145	159	135	221	228	180	251	199	197	2,201
51	Halisahar	..	11	9	8	12	6	7	7	15	10	11	9	11	116
52	Kanchrapara	..	7	2	10	4	2	6	3	8	4	3	8	8	65
53	Baranagar	..	102	77	64	115	102	91	128	123	93	110	127	102	1,234
54	Kamarhati	..	49	43	37	59	59	40	48	53	36	43	80	73	620
55	Baraset	..	6	3	3	6	8	14	12	4	3	1	13	6	79
56	Gobardanga	..	15	14	14	12	9	10	16	12	12	20	28	28	190
57	Basirhat	..	14	13	12	4	8	9	8	4	3	15	12	20	122
58	Taki	..	4	4	1	3	8	6	2	5	5	3	8	7	56
59	Baduria	..	8	1	2	10	2	3	3	5	3	3	4	8	52
60	Calcutta	..	3,281	2,795	2,977	3,229	3,155	2,828	3,074	3,478	3,308	3,407	3,274	3,616	38,422

Nadia District.

61	Krishnagar	..	24	26	21	23	18	14	19	28	25	24	20	24	266
62	Nabadwip	..	51	39	31	37	35	31	46	40	38	46	48	76	518
63	Ranaghat	..	4	10	10	11	9	5	9	11	13	11	11	12	116
64	Birnagar	..	..	2	1	1	2	1	1	1	1	2	..	3	15
65	Santipur	..	25	21	26	15	12	21	14	14	13	20	23	23	227
66	Chakdah	..	5	4	9	2	2	1	2	7	2	2	2	7	45

Murshidabad District.

67	Berhampore	..	27	41	42	49	66	33	43	59	49	51	62	80	602
68	Murshidabad	..	28	10	11	13	3	4	12	5	4	10	7	7	114
69	Jiaganj Azimganj	..	2	2	9	4	3	3	1	5	3	6	5	1	44
70	Kandi	..	9	9	3	6	8	6	8	12	6	10	15	15	107
71	Jangipore	..	6	7	7	13	7	7	..	1	9	10	8	12	87
72	Dhulian	..	12	5	9	5	9	10	6	17	4	13	25	17	132

West Dinajpur.

73	Balurghat	..	2	3	2	4	4	2	6	2	3	6	5	3	42
74	Raiganj	..	4	1	5	..	1	1	4	3	4	2	2	3	30

Jalpaiguri District.

75	Jalpaiguri	..	32	20	31	28	28	33	47	40	30	68	59	45	461
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Darjeeling District.

76	Darjeeling	..	34	23	26	30	45	30	29	34	35	36	30	37	389
77	Kurseong	..	24	22	29	22	21	23	24	20	32	21	17	37	292
78	Kalimpong	..	21	16	19	23	33	35	23	38	21	17	24	18	288
79	Siliguri	..	11	2	13	6	9	4	6	5	8	8	18	7	97

Malda District.

80	English Bazar	..	16	20	9	12	12	12	4	7	1	3	27	7	130
81	Old Malda	..	5	..	..	..	..	4	3	4	..	2	..	..	18

Total of towns	..	5,810	4,912	5,222	5,562	5,457	4,796	5,462	6,021	5,580	6,094	6,000	6,443	67,359
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Rates per 1,000 of population in towns.

Total of the State	..	22,849	21,497	22,599	21,943	21,220	18,455	19,469	22,576	20,976	23,931	24,122	25,809	2,65,446
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Ratio per 1,000 of population in the State.

	11.2	10.5	11.1	10.8	10.4	9.1	9.1	9.5	11.1	10.3	11.7	11.8	12.7	10.8
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Annual Form No. IV—Deaths registered according to age in the districts (Rural Circles) and towns of the State of West Bengal during the year 1952

Serial No.	Districts.	Under one month							Total of under one month.		
		Male.			Female.						
		Within 24 hours.	One day to one week.	One week to one month.	Total.	Within 24 hours.	One day to one week.	One week to one month.		Total.	
A—RURAL.											
1	Burdwan	..	266	790	747	1,803	213	639	590	1,442	3,245
2	Birbhum	..	237	569	572	1,378	154	447	481	1,082	2,460
3	Bankura	..	261	450	490	1,201	197	339	391	927	2,128
4	Midnapore	..	164	640	885	1,689	119	491	720	1,330	3,019
5	Hooghly	..	122	287	242	651	89	212	171	472	1,123
6	Howrah	..	58	188	123	369	34	123	87	244	613
7	24-Parganas	..	78	337	392	807	44	243	296	583	1,390
8	Nadia	..	56	310	285	651	61	238	206	505	1,156
9	Murshidabad	..	146	459	610	1,215	106	368	479	953	2,168
10	West Dinajpur	..	99	264	266	629	54	218	234	506	1,135
11	Jalpaiguri	..	137	383	431	951	130	320	336	786	1,737
12	Darjeeling	..	27	67	132	226	20	49	96	165	391
13	Malda	..	47	264	229	540	40	193	150	383	923
Total of rural districts ..		..	1,698	5,008	5,404	12,110	1,261	3,880	4,237	9,378	21,488
Ratio per mille of population ..		..	7.1	21.1	22.7	51.0	5.8	17.7	19.4	42.9	47.1

Serial No.	Districts.	Between 1 and 3 months.			Between 3 and 6 months.			Between 6 and 12 months.			Under one year.		
		Male		Total	Male		Total	Male		Total	Male		Total
		Female			Female			Female			Female		
A—RURAL.													
1	Burdwan	..	..	702	270	256	526	254	217	471	2,709	2,235	4,944
2	Birbhum	..	..	558	174	174	348	177	135	312	2,038	1,640	3,678
3	Bankura	..	..	516	180	151	331	180	216	396	1,851	1,520	3,371
4	Midnapore	..	..	1,741	664	594	1,258	516	472	988	3,830	3,176	7,006
5	Hooghly	..	..	335	152	101	253	123	103	226	1,122	815	1,937
6	Howrah	..	..	144	77	61	138	67	54	121	590	426	1,016
7	24-Parganas	..	..	819	412	322	734	350	253	603	2,045	1,501	3,546
8	Nadia	..	..	348	121	103	224	116	99	215	1,069	874	1,943
9	Murshidabad	..	..	688	275	249	524	302	291	593	2,172	1,801	3,973
10	West Dinajpur	..	..	369	125	116	241	118	103	221	1,084	882	1,966
11	Jalpaiguri	..	..	630	186	184	370	212	253	465	1,674	1,528	3,202
12	Darjeeling	..	..	208	86	82	168	102	93	195	529	433	962
13	Malda	..	..	253	109	117	226	153	115	268	957	713	1,670
Total of rural districts		..	..	7,311	2,831	2,510	5,341	2,670	2,404	5,074	21,670	17,544	39,214
Ratio per mille of population		..	..	16.0	11.9	11.5	11.7	11.2	11.0	11.1	91.2	80.2	86.0



Serial No.	Districts.	1 year and under 5 years.		5 years and under 10 years		10 years and under 15 years		15 years and under 20 years		20 years and under 30 years			
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female		
A—RURAL.													
1	Burdwan	..	..	1,034	1,021	526	430	330	278	317	473	894	1,098
2	Birbhum	..	..	602	630	294	244	204	195	237	375	521	677
3	Bankura	..	..	573	629	294	309	229	182	300	413	699	806
	Midnapore	..	..	2,186	2,194	951	874	520	389	531	932	1,464	2,161
5	Hooghly	..	..	463	407	245	244	212	176	239	358	467	618
6	Howrah	..	..	444	380	225	191	112	82	116	213	328	393
7	24-Parganas	..	..	1,892	1,797	917	848	522	349	521	761	1,249	1,684
8	Nadia	..	..	499	509	297	310	178	151	164	260	445	625
9	Murshidabad	..	..	1,450	1,306	498	461	293	273	274	438	672	809
10	West Dinajpur	..	..	757	700	424	365	216	146	238	325	542	801
11	Jalpaiguri	..	..	1,044	962	389	354	232	221	242	528	725	1,464
12	Darjeeling	..	..	419	368	219	206	158	138	166	174	286	439
13	Malda	..	..	755	648	288	251	180	129	174	229	523	486
Total of rural districts		..	..	12,118	11,551	5,567	5,087	3,386	2,709	3,519	5,479	8,815	12,061
Ratio per mille of population		..	..	14.0	12.6	4.6	4.9	2.9	2.3	3.9	5.8	5.0	7.6





Serial No.	District	Under one month							Total of under one month
		Male			Female				
		Within 24 hours	One day to one week	One week to one month	Total	Within 24 hours	One day to one week	One week to one month	
B--TOWNS.									
Burdwan District.									
1	Burdwan	..	..	..	..	..	..	..	..
2	Kalna	..	17	16	33	..	7	11	44
3	Katwa	..	6	1	7	..	3	4	11
4	Dainhat	..	..	..	..	..	..	..	..
5	Raniganj	..	1	2	3	..	6	8	11
6	Asansol	6	2	2	10	3	1	4	14
Birbhum District.									
7	Suri	7	5	..	12	4	1	5	17
8	Bolpur	..	2	1	3	..	8	8	11
9	Rampurhat	..	1	3	4	..	1	2	6
Bankura District.									
10	Bankura	2	1	3	6	1	2	3	9
11	Bishnupur	..	1	2	3	..	1	1	4
12	Sonamukhi	..	2	1	3	..	3	3	6
Midnapore District.									
13	Midnapore	11	10	1	22	10	8	18	40
14	Ghatal	4	..	2	6	..	1	1	7
15	Kharar	1	..	..	1	1	..	1	2
16	Chandrakona	..	1	1	2	..	1	2	4
17	Ramjibanpur	3	..	2	5	..	3	7	12
18	Khirpai	..	1	2	3	..	2	2	5
19	Tamluk	..	..	1	1	..	1	1	2

Hooghly District.

20	Hooghly Chinsurah	..	..	24	17	14	55	5	14	8	27	82
21	Bansberia	..	..	..	..	3	3	..	2	1	3	6
22	Arambagh	..	..	..	2	2	4	..	..	..	..	4
23	Serampur	..	..	41	45	39	125	19	29	41	89	214
24	Baidyabati	..	..	..	8	5	13	..	5	6	11	24
25	Rishra	..	..	1	..	1	2	..	2	..	2	4
26	Uttarpara	..	..	..	..	3	3	..	1	1	2	5
27	Kotrung	..	..	1	..	4	5	..	2	1	3	8
28	Bhadreswar	..	..	1	9	1	11	2	..	5	7	18
29	Champdani	..	..	..	..	4	4	..	1	..	1	5
30	Konnagar	..	..	2	..	1	3	..	..	..	..	3

Howrah District.

31	Howrah	..	..	..	407	196	603	..	293	155	448	1,051
32	Bally	..	..	..	2	4	6	..	..	3	3	9

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24-Parganas District.

33	Tollygunge	..	..	2	1	..	3	..	..	..	..	3
34	South Suburban	..	..	8	25	31	64	6	34	28	68	132
35	Garden Reach	..	..	6	26	30	62	5	16	26	47	109
36	Budge Budge	..	..	1	3	2	6	..	2	..	2	8
37	Baraipur	..	..	..	1	1	2	..	..	..	..	2
38	Rajpur	..	..	..	1	1	2	..	..	..	..	2
39	Joynagar Mazilpur	..	..	3	..	..	3	2	..	..	2	5
40	Dum Dum	..	..	2	2	3	7	1	1	1	3	10
41	North Dum Dum	..	..	..	..	..	..	..	..	..	..	..
42	South Dum Dum	..	..	..	..	..	..	..	..	..	..	..
43	Khardah	..	..	1	..	1	2	..	..	1	1	3
44	Panihati	..	..	..	1	..	1	..	..	1	1	2
45	Garulia	..	..	1	3	..	4	4	1	2	7	11



Serial No	Districts	Between 1 and 3 months			Between 3 and 6 months			Between 6 to 12 months			Under one year		
		Male		Total	Male		Total	Male		Total	Male		Total
			Female			Female			Female			Female	
B—TOWNS.													
Burdwan District.													
1	Burdwan	..	..	..	..	..	..	..	..	..	..	..	..
2	Kalna	..	5	9	14	8	16	2	3	5	48	31	79
3	Katwa	..	1	1	2	..	..	..	..	..	8	5	13
4	Dinhata	..	..	..	..	..	..	..	5	5	..	5	5
5	Raniganj	..	3	1	4	2	2	4	1	5	10	12	22
6	Asansol	..	1	1	2	10	12	1	1	2	22	8	30
Birbhum District.													
7	Suri	..	..	1	1	1	1	3	1	4	15	8	23
8	Bolpur	..	1	1	2	..	..	..	2	2	4	11	15
9	Rampurhat	..	2	..	2	5	11	9	3	12	20	11	31
Bankura District.													
10	Bankura	..	..	1	1	2	3	3	..	3	10	6	16
11	Bishnupur	..	1	..	1	..	1	1	1	2	6	2	8
12	Sonamukhi	..	..	2	2	2	2	..	1	1	3	8	11
Midnapore District.													
13	Midnapore	..	1	3	4	2	3	1	..	1	26	22	48
14	Ghatal	..	2	1	3	5	8	1	1	2	14	6	20
15	Kharar	..	..	1	1	..	..	..	..	..	1	2	3
16	Chandrakona	..	1	1	2	1	1	..	..	..	3	4	7
17	Ramjibanpur	..	..	2	2	2	2	1	..	1	6	11	17
18	Khirpai	..	..	1	1	..	2	1	1	2	4	6	10
19	Tamluk	..	..	1	1	..	..	1	1	2	2	3	5

Hooghly District.

20	Hooghly Chinsurah	..	15	7	22	12	14	26	26	17	43	108	65	173
21	Bansberia	..	2	3	5	1	5	6	7	7	14	13	18	31
22	Arambagh	..	2	..	2	1	3	4	2	3	5	9	6	15
23	Serampore	..	36	32	68	28	30	58	39	43	82	228	194	422
24	Baidyabati	..	3	..	3	2	4	6	5	8	13	23	23	46
25	Rishra	..	2	1	3	..	..	..	2	1	3	6	4	10
26	Uttarpara	..	2	2	4	3	1	4	4	2	6	12	7	19
27	Kotrung	..	2	..	2	..	..	..	1	2	3	8	5	13
28	Bhadreswar	..	10	2	12	3	1	4	3	8	11	27	18	45
29	Champdani	..	2	..	2	..	2	2	2	1	3	8	4	12
30	Konnagar	..	1	..	1	..	1	1	..	2	2	4	3	7

Howrah District.

31	Howrah	..	27	22	49	398	396	794	290	329	619	1,318	1,195	2,513
32	Bally	..	6	5	11	7	3	10	4	2	6	23	13	36

24-Parganas District.

33	Tollygunge	..	1	..	1	1	2	3	1	3	4	6	5	11
34	South Suburban	..	48	36	84	25	26	51	31	32	63	168	162	330
35	Garden Reach	..	22	13	35	10	17	27	20	13	33	114	90	204
36	Budge Budge	..	4	2	6	7	4	11	4	2	6	21	10	31
37	Baruipur	..	..	1	1	..	..	..	..	..	..	2	1	3
38	Rajpur	..	1	1	2	2	..	2	2	..	2	7	1	8
39	Joynagar Mazilpur	..	1	..	1	..	..	..	..	..	..	4	2	6
40	Dum Dum	..	..	..	..	1	..	1	..	..	..	8	3	11
41	North Dum Dum	..	..	..	..	..	..	..	1	..	1	1	..	1
42	South Dum Dum	..	1	2	3	..	..	..	2	2	4	3	4	7
43	Khardah	..	..	..	..	..	1	1	2	1	3	4	3	7
44	Panihati	..	..	..	..	1	..	1	2	1	3	4	2	6
45	Garulia	..	3	2	5	2	3	5	3	5	8	12	17	29



Serial Districts 1 year and under 5 years 5 years and under 10 years 10 years and under 15 years 15 years and under 20 years 20 years and under 30 years

B—TOWNS.

Burdwan District.

1	Burdwan	..	8	3	21	19	11	9	12	21	30	41
2	Kalna	..	16	11	4	..	..	..	1	5	4	6
3	Katwa	..	1	5	2	3	3	1	3	8	12	8
4	Dainhat	..	1	4	1	..	..	..	..	1	1	2
5	Raniganj	..	9	11	7	3	5	1	6	3	9	7
6	Asansol	..	14	4	6	10	3	5	5	6	10	16

Birbhum District.

7	Suri	..	3	7	8	5	1	3	9	11	11	16
8	Bolpur	..	2	2	..	2	..	1	3	2	3	5
9	Rampurhat	..	25	26	9	6	5	5	6	4	13	8

Bankura District.

10	Bankura	..	9	6	2	3	3	..	5	4	13	9
11	Bishnupur	..	2	..	2	..	2	..	1	1	2	5
12	Sonamukhi	..	1	1	..	1	..	1	3	2	3	6

Midnapore District.

13	Midnapore	..	9	11	8	11	15	12	19	21	33	31
14	Ghatal	..	..	5	2	1	3	2	..	3	4	2
15	Kharar	..	1	1	..	2	..	..	1	..	2	..
16	Chandrakona	..	2	3	3	..	2	..	..	3	6	..
17	Ramjibanpur	..	..	4	3	..	2	..	1	6	3	3
18	Khirpai	..	2	2	..	2	..	..	1	5	2	5
19	Tamluk	..	4	1	..	1	4	4	3	1	7	6

Hooghly District.

20	Hooghly-Chinsurah	..	44	33	46	32	44	35	42	42	45	39
21	Bansberia	..	10	18	8	10	7	5	4	2	9	5
22	Arambagh	..	2	3	2	2	..	3	..	2	..	3
23	Serampore	..	81	74	17	26	26	16	18	20	50	48
24	Baidyabati	..	12	11	4	1	1	..	2	1	9	5
25	Rishra	..	..	3	1	2	..	1	..	3	6	6
26	Uttarpara	..	5	4	4	9	2	1	6	4	14	9
27	Kotrung	..	5	6	3	5	2	1	..	4	2	5
28	Bhadreswar	..	16	12	5	4	3	3	3	12	7	17
29	Champdani	..	10	11	7	7	5	1	2	2	10	13
30	Konnagar	..	5	5	1	..	1	2	1	3	6	4

Howrah District.

31	Howrah	..	552	615	162	176	116	100	172	219	390	429
32	Bally	..	13	9	9	3	8	5	5	..	11	10

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24-Parganas District.

33	Tollygunge	..	8	6	4	3	1	3	..	5	9	4
34	South Suburban	..	86	91	27	22	12	14	13	15	25	29
35	Garden Reach	..	59	64	12	23	6	12	8	25	29	48
36	Budge Budge	..	19	15	9	4	1	1	2	4	15	10
37	Baruipur	..	1	..	..	..	..	..	1	..	2	1
38	Rajpur	..	4	7	2	3	..	3	3	4	4	7
39	Joynagar-Mazilpur	..	6	2	2	..	1	1	..	2	2	4
40	Dum Dum	..	..	..	1	..	1	..	..	..	1	1
41	North Dum Dum	..	1	1	1	..	..	..	..	..	..	..
42	South Dum Dum	..	2	2	..	2	1	2	2	6	5	5
43	Khardah	..	3	3	2	1	1	1	1	1	1	..
44	Panihati	..	4	3	3	1	1	1	1	3	4	2
45	Garulia	..	9	14	2	3	5	1	2	1	11	7



Serial No.	Districts	30 years and under 40 years		40 years and under 50 years		50 years and under 60 years		60 years and upwards.		Total of all ages.	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female

B—TOWNS.

Burdwan District.

1	Burdwan	..	..	41	37	57	27	41	29	75	65	296	251
2	Kalna	..	..	10	12	14	6	13	8	25	26	135	109
3	Katwa	..	..	9	8	6	5	12	8	14	13	70	63
4	Dainhat	..	..	1	1	3	2	5	2	3	1	15	19
5	Raniganj	..	..	8	3	11	7	12	6	16	15	93	68
6	Asansol	..	..	18	10	21	8	15	2	22	13	136	82

Birbhum District.

7	Suri	..	..	17	16	16	3	9	5	6	4	95	78
8	Bolpur	..	..	7	2	1	6	8	9	7	7	35	47
9	Rampurhat	..	..	3	4	4	2	3	1	10	8	98	75

Bankura District.

10	Bankura	..	..	11	10	15	4	14	5	31	16	113	63
11	Bishnupur	..	..	9	5	13	6	9	..	18	16	64	35
12	Sonamukhi	..	..	4	3	7	6	5	3	11	7	37	38

Midnapore District.

13	Midnapore	..	..	42	32	40	24	51	29	68	66	311	259
14	Ghatal	..	..	7	7	7	3	6	2	17	14	60	45
15	Kharar	..	..	1	3	2	1	3	4	4	1	15	14
16	Chandrakona	..	..	8	7	5	1	7	5	6	10	42	38
17	Ramjibanpur	..	..	2	6	2	2	2	3	18	7	39	42
18	Khirpai	..	..	8	4	2	2	4	3	4	8	27	37
19	Tamluk	..	..	6	3	3	7	4	3	14	10	47	39

Hooghly District.

20	Hooghly-Chinsurah	..	48	48	42	37	50	35	55	52	524	418
21	Bansberia	..	7	11	15	5	8	7	23	27	104	108
22	Arambagh	..	6	5	6	1	..	5	14	9	39	39
23	Serampore	..	60	47	58	30	61	48	89	88	688	591
24	Baidyabati	..	8	7	10	4	16	8	43	23	128	90
25	Rishra	..	8	4	5	5	13	12	23	18	62	58
26	Uttarpara	..	8	12	17	9	19	9	21	19	108	83
27	Kotrung	..	3	2	5	..	7	4	19	11	54	43
28	Bhadreswar	..	10	9	14	16	12	10	20	20	117	121
29	Champdani	..	15	9	14	8	12	13	23	15	106	83
30	Konnagar	..	1	..	3	4	9	4	20	6	51	31

Howrah District.

31	Howrah	..	408	290	395	197	415	248	514	529	4,442	3,998
32	Bally	..	9	13	17	11	21	9	21	18	137	91

24-Parganas District.

33	Tollygung	..	4	6	7	5	9	4	15	6	63	47
34	South Suburban	..	34	16	31	20	32	20	74	72	502	461
35	Garden Reach	..	27	41	40	22	26	16	70	34	391	375
36	Budge Budge	..	11	9	22	10	25	7	44	41	169	111
37	Baraipur	..	3	..	1	..	1	1	4	10	15	13
38	Rajpur	..	6	3	5	1	3	4	11	16	45	49
39	Joynagar Mazilpur	..	3	..	2	3	6	1	6	5	32	20
40	Dum Dum	..	2	2	2	..	2	..	1	4	18	10
41	North Dum Dum	..	1	..	1	1	3	1	3	1	11	4
42	South Dum Dum	..	14	4	5	1	5	4	7	1	44	31
43	Khardah	..	4	4	3	1	11	2	11	6	41	32
44	Panihati	..	9	7	6	2	14	6	9	9	55	46
45	Garulia	..	13	8	8	5	9	8	13	19	84	19



Serial No.	District	Under one month						Total of under one month			
		Male			Female						
		Within 24 hours	One day to one week	One week to one month	Total	Within 24 hours	One day to one week		One week to one month	Total	
46	North Barrackpore	..	1	..	..	1	..	1	..	1	2
47	Barrackpore Cantonment	..	15	12	29	1	6	9	16	45	
48	Titagarh	..	27	32	60	..	2	3	5	65	
49	Naihati	..	1	2	4	..	..	1	1	5	
50	Bhatpara	..	115	90	225	14	72	54	140	365	
51	Halisahar	..	1	..	2	..	1	3	4	6	
52	Kancharapara	..	..	..	1	1	1	..	2	3	
53	Baranagar	..	41	44	107	12	24	30	66	173	
54	Kamarhati	..	7	6	15	1	2	5	8	23	
55	Baraset	..	3	1	5	..	..	..	..	5	
56	Gobardanga	..	..	..	..	..	..	..	..	..	
57	Basirhat	..	2	3	7	..	1	..	1	8	
58	Taki	..	1	1	2	1	..	..	1	3	
59	Baduria	..	..	1	1	..	..	..	..	1	
60	CITY of CALCUTTA	..	687	1,420	1,066	458	1,056	935	2,449	5,572	

## B—TOWNS.

## Nadia District.

61	Krishnagar	..	4	13	1	18	5	10	2	17	35
62	Nabadwip	..	16	7	..	23	6	11	3	20	43
63	Ranaghat	..	1	..	1	2	..	..	1	1	3
64	Birnagar	..	..	..	..	..	..	..	..	..	..
65	Santipur	..	1	7	8	16	..	7	2	9	25
66	Chakdah	..	1	..	..	1	..	1	1	2	3

Murshidabad District.

67	Berhampur	..	..	28	8	1	32	18	1	1	20	52
68	Murshidabad	..	..	..	1	1	2	..	..	..	..	2
69	Kandi	..	..	..	..	..	..	1	..	2	3	3
70	Jiaganj Azimganj	..	..	..	..	1	1	..	1	1	2	3
71	Jangipur	..	..	..	1	..	1	..	..	..	..	1
72	Dhulian	..	..	..	2	..	2	..	..	..	..	2

West Dinajpur District.

73	Balurghat	..	..	..	..	..	..	..	..	1	1	1
74	Raiganj	..	..	..	..	..	..	..	..	..	..	..

Jalpaiguri District.

75	Jalpaiguri	..	..	..	2	..	2	1	..	..	1	3
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Darjeeling District.

76	Darjeeling	..	..	..	15	3	18	2	10	2	14	32
77	Kurseong	..	..	2	3	7	12	1	5	5	11	23
78	Kalimpong	..	..	3	4	1	8	6	4	2	12	20
79	Siliguri	..	..	..	..	5	5	..	..	..	..	5

Malda District.

80	English Bazar	..	..	8	8	..	16	1	1	2	4	20
81	Old Malda	..	..	..	..	..	..	..	1	..	1	1

Total of towns

..	..	882	2,303	1,673	4,858	592	1,662	1,366	3,620	8,478
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Ratio per mille of population

..	15.6	40.7	29.6	85.9	11.3	31.7	26.1	69.1	77.8
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Total for the State

..	2,580	7,311	7,077	16,968	1,853	5,542	5,603	12,998	29,966
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Ratio per mille of population

..	8.7	24.9	24.1	57.7	6.8	20.4	20.7	48.0	53.0
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Serial No.	Districts	Between 1 and 3 months			Between 3 and 6 months			Between 6 to 12 months			Under one year		
		Male		Total	Male		Total	Male		Total	Male		Total
			Female			Female			Female			Female	

B--TOWNS.

46	North Barrackpore	..	1	3	4	3	3	6	2	3	5	7	10	17
47	Barrackpore Cantonment	..	4	2	6	10	7	17	7	5	12	50	30	80
48	Titagarh	..	15	16	31	20	13	33	19	11	30	114	45	159
49	Naihati	..	2	1	3	2	3	5	3	2	5	11	7	18
50	Bhatpara	..	55	42	97	33	42	75	54	46	100	367	270	637
51	Halisahar	..	..	..	3	..	..	..	1	..	1	6	4	10
52	Kanchrapara	..	..	1	1	..	1	1	1	1	2	2	5	7
53	Baranagar	..	42	32	74	23	22	45	30	29	59	202	149	351
54	Kamarhati	..	8	16	24	11	9	20	14	17	31	48	50	98
55	Baraset	..	1	1	2	..	..	..	2	1	3	8	2	10
56	Gobardanga	..	..	..	..	..	..	..	..	..	..	..	..	..
57	Basirhat	..	..	..	..	..	..	..	3	6	9	10	7	17
58	Taki..	..	1	1	2	..	..	..	..	1	1	3	3	6
59	Baduria	..	1	..	1	1	1	2	2	..	2	5	1	6
60	CITY of CALCUTTA	..	971	856	1,827	775	675	1,450	975	1,063	2,038	5,844	5,043	10,887

Nadia District.

61	Krishnagar	..	..	..	..	..	..	..	1	1	2	19	18	37
62	Nabadwip	..	..	..	..	..	..	..	..	..	..	23	20	43
63	Ranaghat	..	..	1	1	..	1	1	2	..	2	4	3	7
64	Santipur	..	..	..	..	..	..	..	..	..	..	..	..	..
65	Santipur	..	..	2	2	5	5	10	4	1	5	25	17	42
66	Chakdah	..	..	..	..	..	..	..	..	1	1	1	3	4

Murshidabad District.

67	Berhampur	..	..	3	..	3	2	1	3	1	3	4	38	24	62
68	Murshidabad	..	..	5	1	6	1	..	1	1	2	3	9	3	12
69	Kandi	..	..	..	..	..	..	..	..	2	..	2	2	3	5
70	Jiaganj Azimganj	..	..	2	..	2	1	..	1	1	..	1	5	2	7
71	Jangipur	..	..	4	2	6	2	1	3	1	1	2	8	4	12
72	Dhulian	..	..	..	..	..	..	..	..	1	..	1	3	..	3

West Dinaipur District.

73	Balurghat	..	..	2	..	2	1	..	1	..	..	..	3	1	4
74	Raiganj	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Jalpaiguri District.

75	Jalpaiguri	..	..	1	..	1	1	..	1	1	..	1	5	1	6
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Darjeeling District.

76	Darjeeling	..	..	4	8	12	7	3	10	9	6	15	38	31	69
77	Kurseong	..	..	3	6	9	5	3	8	1	3	4	21	23	44
78	Kalimpong	..	..	..	1	1	2	..	2	5	4	9	15	17	32
79	Siliguri	..	..	..	..	..	..	1	1	..	1	1	5	2	7

Malda District.

80	English Bazar	..	..	..	1	1	1	1	2	..	1	1	17	7	24
81	Old Malda	..	..	..	..	..	..	..	..	1	1	2	1	2	3

Total of towns	..	..	1,337	1,151	2,488	1,442	1,337	2,779	1,625	1,715	3,340	9,262	7,823	17,085
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Ratio per mille of population

..	23·6	22·0	22·8	25·5	25·5	25·5	28·7	32·7	30·7	163·8	149·3	156·8
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Total for the State

..	5,396	4,403	9,799	4,273	3,847	8,120	4,295	4,119	8,414	30,932	25,367	56,299
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Ratio per mille of population

..	18·3	16·2	17·3	14·5	14·2	14·4	14·6	15·2	14·9	105·2	93·6	99·6
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Serial No.	Districts	1 year and under 5 years		5 years and under 10 years		10 years and under 15 years		15 years and under 20 years		20 years and under 30 years	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
46	North Barrackpore	..	5	7	4	1	3	2	3	7	8
47	Barrackpore Cantonment	..	29	14	8	9	6	5	10	21	17
48	Titagarh	..	99	134	16	11	9	10	30	54	86
49	Naihati	..	3	13	4	3	2	7	8	19	31
50	Bhatpara	..	164	189	44	38	29	26	48	65	116
51	Halisahar	..	4	4	3	2	2	..	1	6	2
52	Kanchrapara	..	..	2	..	2	2	1	3	4	3
53	Baranagar	..	105	128	28	13	12	10	18	34	42
54	Kamarhati	..	36	38	14	3	11	5	15	35	34
55	Baraset	..	..	1	2	..	..	4	4	4	3
56	Gobardanga	..	2	1	1	1	2	6	8	10	17
57	Basirhat	..	13	6	1	1	3	2	3	4	6
58	Taki	..	4	5	..	1	2	..	1	..	2
59	Baduria	..	1	3	2	1	1	1	2	2	3
60	CITY of CALCUTTA	..	2,239	2,412	652	463	417	611	844	1,912	1,888

## Nadia District.

61	Krishnagar	..	4	3	4	9	6	6	13	32	9
62	Nabadwip	..	7	5	2	10	8	10	15	19	30
63	Ranaghat	..	3	1	..	..	1	2	2	5	4
64	Birnagar	..	..	..	..	1	..	..	..	1	1
65	Santipur	..	6	7	5	1	3	2	4	14	11
66	Chakdah	..	2	..	2	..	..	2	3	2	2

Murshidabad District.

67	Berhampore	..	..	12	17	17	4	12	11	14	27	46	51
68	Murshidabad	..	..	6	3	4	1	2	1	4	3	5	5
69	Kandi	..	..	3	1	..	2	1	..	..	1	..	..
70	Jiaganj-Azinganj	..	..	5	11	..	..	1	..	..	2	11	4
71	Jangipur	..	..	8	10	1	2	4	3	1	4	4	4
72	Dhulian	..	..	22	16	3	10	4	4	6	..	7	2

West Dinaajpur District.

73	Balurghat	..	..	1	4	..	1	..	2	2	1	..	3
74	Raiganj	..	..	2	1	..	..	..	..	..	1	5	1

Jalpaiguri District.

75	Jalpaiguri	..	..	9	7	13	7	13	8	8	9	70	42
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Darjeeling District.

76	Darjeeling	..	..	18	15	6	8	6	7	13	11	34	36
77	Kurseong	..	..	16	23	14	8	5	4	10	11	19	16
78	Kalimpong	..	..	13	12	5	4	8	6	13	9	51	24
79	Siliguri	..	..	2	..	3	..	3	..	10	2	27	10

Malda District.

80	English Bazar	..	..	3	2	3	5	3	2	3	10	8	9
81	Old Malda	..	..	1	1	..	..	..	..	..	..	3	1

Total of Towns .. 3,913 4,215 1,314 1,263 936 823 1,163 1,613 3,375 3,415

Ratio per mille of population .. 16.8 19.5 4.7 4.4 2.8 3.1 3.0 7.2 4.4 7.4

Total for the State .. 16,031 15,766 6,881 6,350 4,322 3,532 4,682 7,092 12,190 15,476

Ratio per mille of population .. 14.6 13.9 4.6 4.8 2.8 2.5 3.7 6.1 4.8 7.6



Serial No.	Districts	30 years and under 40 years				40 years and under 50 years				50 years and under 60 years				60 years and upwards.				Total of all ages.	
		Male		Female		Male		Female		Male		Female		Male		Female		Male	Female
46	North Barrackpur	..	3	2	9	4	17	5	36	13	92	59							
47	Barrackpore Cantonment	..	12	8	21	8	29	12	38	26	226	139							
48	Titagarh	..	61	69	71	37	72	26	88	93	606	545							
49	Naihati	..	12	25	24	23	35	12	57	37	177	162							
50	Bhatpara	..	80	98	77	60	87	43	193	168	1,136	1,065							
51	Halisahar	..	6	10	11	6	9	5	19	12	67	49							
52	Kanchrapara	..	8	2	4	2	12	1	9	2	43	22							
53	Baranagar	..	45	30	36	28	46	30	120	127	642	592							
54	Kamarahati	..	39	24	48	22	39	25	73	49	338	282							
55	Baraset	..	10	4	6	2	8	..	10	8	53	26							
56	Gobardanga	..	11	7	16	11	27	15	29	17	111	79							
57	Basirhat	..	9	7	9	3	5	7	16	8	71	51							
58	Taki..	..	1	3	1	2	5	..	15	7	31	25							
59	Baduria	..	2	3	4	..	1	2	10	6	29	23							
60	CITY of CALCUTTA	..	1,816	1,315	1,883	1,100	2,083	1,273	3,153	2,815	20,663	17,759							
Nadia District.																			
61	Krishnagar	..	30	11	21	10	12	2	33	20	170	96							
62	Nabadwip	..	14	18	34	30	40	41	94	93	256	263							
63	Ranaghat	..	4	6	9	13	20	10	20	9	67	49							
64	Birnagar	..	..	1	..	1	6	..	1	3	9	6							
65	Santipur	..	6	8	10	10	21	10	44	17	135	92							
66	Chakdah	..	3	2	6	3	2	..	5	7	23	22							

Murshidabad District.

67	Berhampur	..	..	..	49	27	36	30	64	27	48	336	266
68	Murshidabad	..	..	..	7	6	8	2	17	5	11	73	41
69	Kandi	..	..	..	3	1	4	4	4	3	11	28	16
70	Jiaganj-Azinganj	..	..	..	7	5	10	9	4	1	16	59	48
71	Jangipur	..	..	..	8	3	8	1	4	2	7	53	34
72	Dhulian	..	..	..	9	2	7	1	8	..	15	84	48

West Dinaipur District.

73	Balurghat	..	..	..	..	3	2	..	5	2	7	20	22
74	Raiganj	..	..	..	4	1	3	2	4	1	3	21	9

Jalpaiguri District.

75	Jalpaiguri	..	..	..	49	21	39	15	33	15	58	297	164
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Darjeeling District.

76	Darjeeling	..	..	..	20	19	21	13	20	10	30	206	183
77	Kurseong	..	..	..	20	15	17	13	8	10	24	154	138
78	Kalimpong	..	..	..	20	14	16	7	15	11	18	174	114
79	Siliguri	..	..	..	14	2	5	2	8	..	2	79	18

Malda District.

80	English Bazar	..	..	..	7	3	10	5	12	1	11	77	53
81	Old Malda	..	..	..	2	..	2	2	..	2	1	10	8

Total of Towns		..	3,319	2,505	3,451	2,001	3,794	2,222	5,847	5,105	36,374	30,985
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Ratio per mille of population		..	4.8	10.2	8.8	7.6	20.7	11.1	40.2	12.2	10.5	13.8
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Total for the State		..	13,417	11,641	14,253	8,935	14,812	9,751	24,149	19,867	1,41,669	1,23,777
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Ratio per mille of population		..	6.5	7.6	9.9	7.9	17.7	13.5	36.7	32.4	10.8	10.9
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**Supplementary Annual Form No. IV(A)—Statement showing Deaths of Infants under one year according to community in each district of the State of West Bengal during the year 1952.**

Serial No.	Districts	Mortality under one year among :											
		Hindus		Muslims		Buddhists		Christians		Others		All classes	
		Number	Ratio per 1,000 births.	Number	Ratio per 1,000 births	Number	Ratio per 1,000 births	Number	Ratio per 1,000 births	Number	Ratio per 1,000 births	Number	Ratio per 1,000 births
1	Burdwan	4,091	99.0	966	112.7	..	..	..	..	36	61.3	5,093	100.8
2	Birbhum	2,587	102.9	1,073	116.1	..	..	..	..	87	70.1	3,747	105.2
3	Bankura	3,285	88.3	112	71.3	..	..	..	..	9	36.6	3,406	87.2
4	Midnapore	6,797	80.5	311	50.6	..	..	25.0	..	6	11.0	7,116	78.0
5	Hooghly	2,366	78.4	353	97.2	..	..	..	..	11	94.8	2,730	80.4
6	Howrah	3,035	131.5	527	142.9	..	..	..	..	3	600.0	3,565	133.0
7	24-Parganas	3,949	74.8	1,658	84.7	..	..	22.6	..	1	500.0	5,616	77.2
8	Calcutta	8,812	159.4	1,898	589.6	1	30.3	190.2	..	40	103.6	10,887	182.5
9	Nadia	1,180	68.1	883	116.6	..	..	67.7	..	..	..	2,076	82.7
10	Murshidabad	1,817	82.2	2,200	84.1	..	..	333.3	..	56	136.9	4,074	83.7
11	West Dinajpur	1,265	102.3	669	108.0	..	..	87.4	..	18	49.0	1,970	103.0
12	Jalpaiguri	2,878	110.5	252	102.1	8	205.1	55.2	..	27	108.4	3,208	108.5
13	Darjeeling	984	102.7	18	140.6	108	60.0	4.9	..	3	166.7	1,114	93.9
14	Malda	985	89.3	683	72.8	..	..	..	..	29	31.1	1,697	79.5
..	Total for the State	44,031	98.3	11,603	107.9	127	63.4	226	86.3	312	61.1	56,299	99.6

**Annual Form No. V.—Deaths registered according to class in the districts of the State of West Bengal during the year 1952.**

Number of deaths registered															
Serial No.	Districts	Hindus.			Muslims.		Buddhists.			Christians.			Other classes.		
		Male.	Female.	Total.	Male.	Female.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
1	Burdwan	9,711	8,401	18,112	1,909	1,588	3,497	..	..	5	4	9	132	106	238
2	Birbhum	4,991	4,532	9,523	1,718	1,493	3,211	..	..	..	..	..	323	296	619
3	Bankura	7,881	6,603	14,484	314	298	612	..	..	2	8	10	57	40	97
4	Midnapore	19,169	17,994	37,163	1,292	1,181	2,473	1	..	22	12	34	190	148	338
5	Hooghly	6,664	5,636	12,300	990	761	1,751	..	..	1	..	1	41	32	73
6	Howrah	7,459	6,201	13,660	1,481	1,334	2,815	..	..	1	1	2	1	..	1
7	24-Parganas	13,619	11,549	25,168	6,144	5,081	11,225	..	..	64	46	110	3	1	4
8	Calcutta	16,536	14,097	30,633	3,699	3,304	7,003	2	1	373	316	689	53	41	94
9	Nadia	3,413	2,963	6,376	2,001	1,850	3,851	1	..	27	20	47	..	..	..
10	Murshidabad	4,097	3,592	7,689	4,983	4,230	9,213	..	..	..	..	..	78	58	136
11	West Dinajpur	3,845	3,347	7,192	1,642	1,536	3,178	..	..	59	61	120	84	100	184
12	Jalpaiguri	6,884	6,507	13,391	735	699	1,434	7	5	145	164	309	70	77	147
13	Darjeeling	2,855	2,643	5,498	38	40	78	690	590	34	56	90	3	11	14
14	Malda	2,859	2,384	5,243	2,013	1,516	3,529	..	..	2	2	4	256	221	477
..	Total for the State	1,09,983	96,449	2,06,432	28,959	24,911	53,870	701	596	735	690	1,425	1,291	1,131	2,422



Ratio of deaths per 1,000 of population

Serial No.	Districts	Hindus			Muslims			Buddhists			Christians			Other classes		
		Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
1	Burāwan	9.9	9.6	9.7	10.3	9.8	10.1	..	..	..	1.2	1.9	1.5	24.4	33.3	27.7
2	Birbhum	12.4	11.7	12.1	11.7	10.3	11.0	..	..	..	..	..	..	131.9	90.4	108.2
3	Bankura	12.7	10.8	11.8	9.9	10.9	10.3	..	..	..	3.2	12.6	7.9	2.0	1.4	1.7
4	Midnapore	11.9	11.7	11.8	10.0	10.1	10.0	3.4	..	..	4.4	2.7	3.6	15.0	11.8	13.4
5	Hooghly	9.2	8.8	9.0	9.3	7.5	8.4	..	..	..	1.2	..	..	38.8	65.4	47.2
6	Howrah	10.0	10.3	10.1	10.3	11.3	10.7	..	..	..	.5	.7	.6	.8	..	.5
7	24-Parganas	7.2	7.5	7.4	10.1	8.7	9.4	..	..	..	3.8	3.8	3.8	1.0	.7	.9
8	Calcutta	12.2	17.9	14.2	17.0	39.8	23.3	.3	.3	.3	11.7	7.2	9.1	2.7	3.3	2.9
9	Nadia	7.5	6.8	7.1	14.6	15.1	14.8	4.8	..	4.6	8.0	7.3	7.7	..	..	..
10	Murshidabad	10.3	9.4	9.8	10.2	8.8	9.5	..	..	..	..	..	..	74.4	45.4	58.4
11	West Dinajpur	14.4	14.2	14.3	14.1	15.0	14.5	..	..	..	35.6	37.4	36.5	77.8	77.0	77.4
12	Jalpaiguri	16.0	18.4	17.1	14.5	17.8	16.0	2.0	1.6	1.8	10.5	13.5	11.9	5.9	5.9	5.9
13	Darjeeling	14.4	15.6	15.0	9.2	17.6	12.2	21.9	19.0	20.4	5.1	9.7	7.3	8.0	56.7	24.7
14	Malda	9.2	8.4	8.8	11.8	8.4	10.0	..	..	..	5.8	4.1	4.8	..	..	..
..	Total for the State	10.6	10.9	10.7	11.4	11.0	11.2	16.4	15.1	15.8	8.4	7.8	8.1	14.5	14.3	14.4

Annual Form No. V(A).—Births registered according to class in the districts of the West Bengal State during the year 1952.

Serial No.	Districts	Number of births registered															
		Hindus			Muslims.			Buddhists			Christians			Other classes			
		Male		Total	Male		Total	Male		Total	Male		Total	Male		Total	
		Female		Female		Female		Female		Female		Female		Female		Female	
1	Burdwan	..	21,433	19,907	41,340	4,495	4,075	8,570	..	..	..	21	18	39	301	286	587
2	Birbhum	..	12,989	12,155	25,144	4,782	4,462	9,244	..	1	1	1	..	1	608	633	1,241
3	Bankura	..	18,934	18,273	37,207	811	760	1,571	..	..	..	10	10	20	129	117	246
4	Midnapore	..	44,000	40,406	84,406	3,268	2,880	6,148	..	..	..	42	38	80	283	263	546
5	Hooghly	..	15,877	14,311	30,188	1,932	1,698	3,630	..	..	..	1	1	2	56	60	116
6	Howrah	..	12,164	10,916	23,080	2,017	1,672	3,689	..	..	..	16	10	26	2	3	5
7	24-Parganas	..	28,030	24,759	52,789	10,492	9,084	19,576	..	1	1	206	148	354	..	2	2
8	Calcutta	..	28,434	26,854	55,288	1,741	1,478	3,219	21	12	33	361	354	715	207	179	386
9	Nadia	..	9,157	8,178	17,335	3,868	3,705	7,573	..	..	..	96	96	192	2	..	2
10	Murshidabad	..	11,341	10,769	22,110	13,658	12,488	26,146	..	..	..	2	1	3	201	208	409
11	West Dinajpur	..	6,291	6,073	12,364	3,218	2,976	6,194	..	..	..	102	104	206	166	201	367
12	Jalpaiguri	..	13,201	12,839	26,040	1,275	1,192	2,467	27	12	39	353	426	779	132	117	249
13	Darjeeling	..	4,891	4,694	9,585	64	64	128	948	982	1,930	97	105	202	11	7	18
14	Malda	..	5,892	5,141	11,033	5,002	4,384	9,386	..	..	..	1	..	1	489	443	932
Total		..	232,634	215,275	447,909	56,623	50,918	107,541	996	1,008	2,004	1,309	1,311	2,620	2,587	2,519	5,106



Ratio of births per 1,000 of estimated population

Serial No	Districts	Hindus			Muslims			Buddhists			Christians			Other classes		
		Male		Total	Male		Total	Male		Total	Male		Total	Male		Total
		Female	Total		Female	Total		Female	Total		Female	Total		Female	Total	
1	Burdwan	11.5	10.7	22.2	12.9	11.7	24.7	..	..	..	3.4	2.9	6.3	35.0	33.3	68.3
2	Birbhum	16.5	15.4	31.8	16.3	15.2	31.6	..	37.0	37.0	1.5	..	1.5	106.3	110.6	216.9
3	Bankura	15.4	14.9	30.3	13.7	12.8	26.5	..	..	..	7.9	7.9	15.8	2.2	2.0	4.3
4	Midnapore	14.0	12.8	26.8	13.3	11.7	25.0	..	..	..	4.5	4.1	8.6	11.3	10.5	21.7
5	Hooghly	11.6	10.5	22.1	9.3	8.1	17.4	..	..	..	..8	..8	1.6	36.2	38.8	75.0
6	Howrah	9.0	8.1	17.1	7.7	6.4	14.1	..	..	..	4.9	3.0	7.9	1.1	1.6	2.7
7	24-Parganas	8.2	7.2	15.4	8.8	7.6	16.4	..	..7	..7	7.2	5.1	12.3	..	..5	..5
8	Calcutta	13.2	12.5	25.7	5.8	4.9	10.7	2.2	1.3	3.5	4.8	4.7	9.4	6.4	5.6	12.0
9	Nadia	10.3	9.2	19.4	14.9	14.3	29.2	..	..	..	15.7	15.7	31.4	2.4	..	2.4
10	Murshidabad	14.5	13.8	28.3	14.1	12.9	27.0	..	..	..	2.6	1.3	3.9	86.4	89.4	175.8
11	West Dinajpur	12.5	12.1	24.6	17.7	16.9	34.6	..	..	..	31.0	31.6	62.6	69.8	84.4	154.3
12	Jalpaiguri	16.9	16.4	33.3	14.1	13.3	27.4	4.0	1.8	5.8	13.6	16.4	30.0	5.3	4.7	9.9
13	Darjeeling	13.3	12.8	26.1	10.0	10.0	20.0	15.1	15.7	30.8	7.8	8.5	16.3	19.8	12.6	32.4
14	Malda	9.9	8.6	18.5	14.2	12.5	26.7	..	..	..	1.2	..	1.2	..	..	..
Total		12.1	11.2	23.3	11.8	10.6	22.4	12.1	12.3	24.4	7.4	7.4	14.9	15.4	15.0	30.4

**Annual Form No. VI.**



**Annual Form No. VI—Births and Deaths from different causes in the districts (Rural Circle) and towns of West Bengal State during 1952.**

Serial No.	Districts.	Estimated mid-year population for 1952.	Births.			Birth rate per 1,000 of population.	Deaths.												
			Male.	Female.	Total.		Cholera.	Small-pox.	Plague.	Fevers.	Dysentery and diarrhoea.	Respiratory diseases.	Injuries.						
													Homicide.	Suicide		Wounds and accidents.	Snake bites		
													Male.	Female.					
A—Rural Districts																			
1	Burdwan	..	2,003,338	25,075	23,165	48,240	24.1	342	343	..	10,743	719	1,816	21	25	36	284	130	
2	Birbhum	..	1,040,463	18,012	16,960	34,972	33.6	69	379	..	8,745	86	367	9	24	6	96	44	
3	Bankura	..	1,261,129	19,370	18,710	38,080	30.2	135	205	..	7,842	752	1,432	9	37	39	147	109	
4	Midnapore	..	3,330,710	46,395	42,619	89,014	26.7	557	147	..	20,919	1,806	2,476	42	54	50	673	274	
5	Hooghly	..	1,226,690	14,056	12,615	26,671	21.7	208	33	..	3,999	839	1,503	13	56	53	172	90	
6	Howrah	..	1,123,902	9,362	8,112	17,474	15.5	614	110	..	2,280	873	863	11	44	36	214	40	
7	24-Parganas	..	3,356,458	30,278	26,404	56,682	16.9	1,298	898	..	12,340	1,223	1,473	46	117	115	544	242	
8	Nadia	..	960,386	11,022	9,958	20,980	2.2	167	129	..	6,535	73	228	11	30	53	71	106	
9	Murshidabad	..	1,615,064	23,684	22,024	45,708	28.3	269	555	..	9,784	145	287	18	35	50	244	148	
10	West Dinajpur	..	693,663	9,664	9,261	18,925	27.3	12	141	..	5,979	113	1,486	11	20	22	108	104	
11	Jalpaiguri	..	888,251	14,492	14,106	28,598	32.2	..	4	..	5,379	1,049	2,915	20	15	5	98	33	
12	Darjeeling	..	354,410	5,140	5,010	10,150	28.6	1	3	..	3,131	415	700	4	19	3	54	3	
13	Malda	..	911,142	11,040	9,694	20,734	22.8	31	97	..	6,741	90	286	5	22	25	129	72	
Total of rural districts.			..	18,765,606	237,590	218,638	456,228	24.3	3,703	3,044	..	1,04,417	8,183	15,832	220	498	493	2,834	1,395

Serial No.	Districts.	Deaths			Total.	All other causes.	Total deaths from all causes.	Deaths per 1,000 of population									
		Killed by wild beasts.	Rabies.	Total.				Cholera.	Small-pox.	Plague.	Fevers.	Dysentery and diarrhoea.	Respiratory diseases.	Injury.	All other causes.	For all causes	
A—Rural Districts																	
1	Burdwan	4	18	518	6,038	20,519	.2	.2	..	5.4	.4	.9	.3	3.0	10.2	17.1	
2	Birbhum	..	6	185	3,094	12,925	.1	.2	..	8.4	.1	.4	.2	3.0	12.4	22.6	
3	Bankura	5	5	351	4,136	14,853	.1	..	..	6.2	.6	1.1	.3	3.3	11.8	17.6	
4	Midnapore	12	21	1,126	11,963	38,994	.2	.04	..	6.3	.5	.7	.3	3.6	11.7	16.7	
5	Hooghly	4	6	394	3,503	10,479	.2	.03	..	3.3	.7	1.2	.3	2.8	8.5	14.0	
6	Howrah	3	9	357	2,713	7,810	.5	.1	..	2.0	.7	.8	.3	2.4	6.9	11.6	
7	24-Parganas	12	8	1,084	8,718	27,034	.4	.3	..	3.7	.4	.4	.3	2.6	8.1	12.0	
8	Nadia	2	7	280	1,676	9,088	.02	.01	..	.7	.007	.02	.03	.2	.9	20.7	
9	Murshidabad	1	13	509	4,403	15,952	.2	.3	..	6.1	.1	.2	.3	2.7	9.9	17.0	
10	West Dinajpur	..	3	268	2,603	10,602	.02	.2	..	8.6	.2	2.1	.4	3.7	15.3	23.1	
11	Jalpaiguri	6	..	177	5,308	14,832	..	.005	..	6.1	1.2	3.3	.2	5.9	16.7	23.5	
12	Darjeeling	2	1	86	1,558	5,894	.003	.008	..	8.8	1.2	2.0	.2	4.4	16.6	22.5	
13	Malda	5	4	262	1,598	9,105	.03	.1	..	7.4	.1	.3	.3	1.8	10.0	14.0	
Total of rural districts.		56	101	5,597	57,311	1,98,087	.2	.2	..	5.6	.4	.8	.3	3.1	10.6	16.6	



Serial No.	Districts.	Estimated mid-year opulation for 1952.	Births.			Birth rate per 1,000 of popula- tion.	Deaths.										
			Male.	Female.	Total.		Cholera.	Small- pox.	Plague.	Fevers.	Dysen- tery and diarr- hoea.	Respir- atory diseases.	Injuries.				
													Homi- cide.	Suicide		Wounds and acci- dents.	
														Male.	Female.	Snake bites	
B—Towns																	
Burdwan District																	
1	Burdwan	75,574	333	371	704	9.3	4	1	..	126	55	91	8	7	1	22	1
2	Kalna	17,438	256	189	445	25.5	1	..	..	142	15	16	..	1	1	3	..
3	Katwa	15,744	208	230	438	27.8	7	1	..	48	9	9	..	2	1	6	..
4	Dainhat	8,374	70	74	144	17.2	3	9	..	12	3	4	1	..	..	..	..
5	Raniganj	26,082	173	160	333	12.8	6	1	..	29	6	25	1	..	..	6	..
6	Asansol	76,320	135	97	232	3.0	8	3	..	3	..	10	..	..	..	2	..
Birbhum District																	
7	Suri	18,341	227	184	411	22.4	4	7	..	1	..	2	..	..	..	3	..
8	Bolpur	14,873	88	66	154	10.4	..	..	..	16	6	12	..	..	1	2	..
9	Rampurhat	15,069	53	41	94	6.2	1	110	..	25	3	8	..	1	1	1	..
Bankura District																	
10	Bankura	49,720	291	245	536	10.8	..	..	..	34	19	19	1	..	..	10	..
11	Bishnupur	24,184	105	93	198	8.2	3	..	..	10	11	29	..	2	1	2	1
12	Sonamukhi	12,501	118	112	230	18.5	1	..	..	19	9	9	1	..	..	..	..
Midnapore District																	
13	Midnapore	46,152	648	476	1,124	24.4	4	1	..	93	61	61	1	1	3	20	3
14	Ghatal	16,507	246	182	428	25.9	3	..	..	37	17	15	..	..	..	1	3
15	Kharar	5,073	31	35	66	13.0	5	1	..	7	1	8	..	..	..	..	..
16	Chandrakona	5,813	66	82	148	25.5	..	..	..	21	7	18	1	..	..	1	..
17	Ramjibanpur	7,575	64	62	126	16.6	6	..	..	20	10	20	1	..	..	1	1
18	Khirpal	4,322	50	71	121	28.0	2	..	..	20	8	6	..	1	..	2	1
19	Tamluk	13,687	93	60	153	11.2	14	..	..	9	9	6	..	..	..	4	..

Hooghly District

20	Hooghly-Chinsurah	58,033	978	893	1,871	32·2	13	2	..	192	140	140	1	3	6	28	1
21	Bansberia	30,764	187	162	349	11·3'	2	1	..	79	33	29	1	..	..	5	..
22	Arambagh	11,569	117	101	218	18·8	3	1	..	17	4	8	..	..	..	..	1
23	Serampur	74,596	887	834	1,721	23·1	58	50	..	209	206	127	3	8	3	32	1
24	Baidyabati	25,395	357	324	681	26·8	15	3	..	10	10	34	..	1	..	4	..
25	Rishra	27,489	97	75	172	6·3	9	1	..	16	8	22	..	1	..	1	..
26	Uttarpara	17,255	132	146	278	16·1	45	..	..	26	18	12	..	..	..	4	..
27	Kotrung	14,306	122	111	233	18·6	15	..	..	14	10	15	..	1	..	..	..
28	Bhadreswar	36,678	333	270	603	16·4	2	..	..	46	22	65	..	1	..	2	..
29	Champdani	32,189	460	423	883	27·4	3	1	..	17	10	26	..	..	..	3	..
30	Konnagar	20,472	140	116	256	12·5	3	..	..	6	7	14	..	1	..	2	1

Howrah District

31	Howrah	432,590	4,583	4,266	8,849	20·5	387	43	..	481	1,539	2,197	..	17	17	183	4
32	Bally	63,375	254	223	477	7·5	10	5	..	23	35	52	..	1	..	..	..

24-Parganas District

33	Tollygunge	150,358	494	414	908	6·0	23	2	..	10	8	29	..	2	..	4	..
34	South Suburban	104,322	761	752	1,513	10·8	70	25	..	94	221	209	..	2	5	10	3
35	Garden Reach	109,382	654	577	1,231	11·3	19	17	..	192	76	112	..	1	1	7	..
36	Budge Budge	32,356	225	247	472	14·6	6	1	..	44	97	41	..	..	..	7	..
37	Baraipur	9,362	69	68	137	14·6	..	..	..	4	1	8	..	1	..	1	..
38	Rajpur	16,400	119	97	216	13·2	4	..	..	40	9	10	..	..	..	3	..
39	Joynagar-Mazilpur	13,542	109	110	219	16·2	3	..	..	13	2	12	..	..	..	2	..
40	Dum Dum	14,163	78	90	168	11·9	3	..	..	2	1	5	..	..	..	1	..
41	North Dum Dum	12,242	49	49	98	8·0	1	..	..	6	3	3	..	..	1	1	..
42	South Dum Dum	61,526	105	94	199	3·2	1	..	..	6	3	43	..	..	..	..	..
43	Khardah	18,603	77	41	118	6·3	8	1	..	12	9	16	1	..	1	1	..
44	Panihati	49,720	140	118	258	5·2	8	3	..	19	10	4	..	..	..	..	..
45	Garulia	28,539	198	172	370	13·0	7	4	..	27	12	21	..	..	..	3	..



Serial No.	Districts	Deaths				Rates of deaths per 1,000 of population										
		Killed by wild beasts	Rabies	Total	All other causes	Total deaths from all causes	Cholera	Small-pox	Plague	Fevers	Dysentery and diarrhoea	Respiratory diseases	Injury	All other causes	For all causes	
															For the year	Mean of five years (1947-1951).
B—Towns																
Burdwan District																
1	Burdwan	..	4	43	227	547	.05	.01	..	1.7	.7	1.2	.6	3.0	7.2	9.1
2	Kalna	..	..	5	65	244	.06	..	..	8.1	.9	.9	.3	3.8	14.0	34.0
3	Katwa	..	..	9	50	133	.4	.06	..	3.0	.5	.6	.6	3.2	8.4	20.8
4	Dainhat	..	..	1	2	34	.4	1.1	..	1.4	.3	.5	.1	.2	4.1	9.0
5	Raniganj	..	..	7	87	161	.2	.04	..	1.1	.2	1.0	.3	3.3	6.2	8.2
6	Asansol	..	1	4	190	218	.1	.04	..	.04	..	.1	.05	2.5	2.9	3.2
Birbhum District																
7	Suri	..	..	3	156	173	.2	.4	..	.05	..	.1	.2	8.5	9.4	7.5
8	Bolpur	..	..	3	45	82	..	..	..	1.1	.4	.8	.2	3.07	5.5	..
9	Rampurhat	..	1	4	22	173	.07	7.3	..	1.7	.2	.5	.3	1.5	11.5	..
Bankura District																
10	Bankura	..	1	12	92	176	..	..	..	.7	.3	.4	.2	1.9	3.5	6.7
11	Bishnupur	..	..	6	40	99	.1	..	..	.4	.4	1.2	.2	1.6	4.1	6.2
12	Sonamukhi	..	..	1	36	75	.08	..	..	1.5	.7	.7	.08	2.9	6.0	12.7
Midnapore District																
13	Midnapore	..	1	29	321	570	.1..	.02	..	2.0	1.4	1.3	.6	7.0	12.4	17.1
14	Ghatal	..	..	4	29	105	.2	..	..	2.2	1.1	.9	.2	1.8	6.4	13.4
15	Kharar	..	..	..	7	29	1.0	.2	..	1.4	.2	1.6	..	1.4	5.7	7.8
16	Chandrakona	..	..	2	32	80	..	..	..	3.6	1.2	3.1	.3	5.5	13.8	18.1
17	Ramjibanpur	..	..	3	22	81	.8	..	..	2.6	1.3	2.6	.4	2.9	10.7	20.5
18	Khirpai	..	..	4	24	64	.5	..	..	4.6	1.8	1.4	.9	5.5	14.8	21.6
19	Tamluk	..	..	4	44	86	1.0	..	..	.7	.6	.4	.3	3.2	6.3	12.5

Hooghly District															
20	Hooghly-Chinsurah	..	..	39	416	942	.2	.03	..	3.3	2.4	2.4	7.2	16.2	23.1
21	Bansberia	..	..	6	62	212	.06	.03	..	2.6	1.0	.9	2.1	6.9	9.4
22	Arambagh	..	..	1	44	78	.3	.1	..	1.5	.3	.7	3.8	6.7	12.3
23	Serampore	..	..	47	582	1,279	.8	.7	..	2.8	2.8	1.7	7.8	17.1	22.2
24	Baidyabati	..	..	5	141	218	.6	.1	..	.4	.4	1.3	5.6	8.6	10.9
25	Rishra	..	..	2	62	120	.3	.04	..	.6	.2	.8	2.3	4.4	8.1
26	Uttarpara	..	..	4	86	191	2.6	..	..	1.5	1.1	.7	5.0	11.1	13.9
27	Kotrung	..	..	1	42	97	1.2	..	..	1.1	.8	1.2	3.5	7.8	10.5
28	Bhadreswar	..	..	3	100	238	.05	..	..	1.3	.6	1.8	2.7	6.5	10.9
29	Chamdani	..	..	3	129	189	.1	.03	..	.5	.3	.8	4.0	5.9	6.4
30	Konnagar	..	..	4	48	82	.1	..	..	.3	.3	.7	2.4	4.0	8.3
Howrah District															
31	Howrah	..	..	221	3,572	8,440	.9	.1	..	1.1	3.6	5.1	8.3	19.5	27.7
32	Bally	..	..	1	102	228	.2	.08	..	.4	.5	.8	1.6	3.6	6.0
24-Parganas District															
33	Tollygunge	..	..	6	32	110	.2	.01	..	.07	0.05	.2	.04	.7	2.0
34	South Suburban	..	..	20	324	963	.5	.2	..	.7	1.5	1.5	2.3	6.9	17.8
35	Garden Reach	..	..	9	341	766	.2	.2	..	1.8	.7	1.0	3.1	7.0	10.3
36	Budge Budge	..	..	7	84	280	.2	.03	..	1.4	3.0	1.3	2.6	8.7	11.3
37	Baruipur	..	1	3	12	28	..	..	..	.4	.1	.9	1.3	3.0	5.6
38	Rajpur	..	..	3	28	94	.2	..	..	2.4	.5	.6	1.7	5.7	12.5
39	Joynagar Mazilpur	..	..	2	20	52	.2	..	..	1.0	.1	.9	1.5	3.8	5.6
40	Dum Dum	..	..	1	16	28	.2	..	..	.1	.07	.4	1.2	2.0	4.0
41	North Dum Dum	..	..	2	..	15	.08	..	..	.5	.1	.2	..	1.2	4.3
42	South Dum Dum	..	..	..	22	75	.02	..	..	.1	.05	.7	.4	1.2	5.3
43	Khardah	..	1	4	13	63	.4	.05	..	.6	.5	.9	.7	3.4	5.7
44	Panihati	..	1	1	46	91	.2	.06	..	.4	.2	.08	.9	1.8	6.0
45	Garulia	..	..	3	93	167	.2	.1	..	.9	.4	.7	3.3	5.9	7.3



Serial No.	Districts.	Estimated mid-year population for 1952.	Births.			Birth rate per 1,000 of population.	Deaths.								
			Male.	Female.	Total.		Cholera.	Small-pox.	Plague.	Fevers.	Dysentery and diarrhoea.	Injuries.			
												Homicide.	Suicide		Wounds and accidents.
												Male.	Female.		
46	North Barrackpur	32,351	153	138	291	9.0	24	1	..	20	28	19	..	..	5
47	Barrackpur Cantt.	42,484	153	129	282	6.6	7	5	..	193	28	36	..	3	12
48	Titagarh	71,897	758	754	1,512	21.0	29	1	..	934	8	66	..	..	7
49	Naihati	55,248	239	167	406	7.3	2	..	..	63	44	86	..	1	2
50	Bhatpara	134,850	1,326	1,188	2,514	18.6	24	12	..	630	62	202	..	3	16
51	Halisahar	34,779	122	103	225	6.5	1	2	..	18	7	29	..	..	2
52	Kanchrapara	56,869	249	240	489	8.6	1	..	..	16	4	13	..	..	..
53	Baranagar	78,030	1,182	1,066	2,248	28.8	54	2	..	200	213	183	..	5	17
54	Kamarhati	78,460	703	615	1,318	16.8	10	1	..	99	95	121	..	..	25
55	Baraset	16,044	85	67	152	9.5	17	..	..	19	5	8	..	..	3
56	Gobardanga	6,616	26	19	45	6.8	5	..	..	93	17	28	..	..	1
57	Basirhat	35,138	237	178	415	11.8	9	12	..	17	6	14	1	1	2
58	Taki	13,188	66	48	114	8.6	3	2	..	10	5	9	..	..	..
59	Baduria	16,256	73	49	122	7.5	5	..	..	29	3	6	..	..	..
60	City of Calcutta	2,568,764	30,764	28,877	59,641	23.2	1,320	183	16	3,391	4,412	9,559	19	68	733

Nadia District

61	Krishnagar	51,366	719	673	1,392	27.1	4	..	..	43	24	36	..	..	11	2
62	Nabadwip	57,098	810	839	1,649	28.9	3	..	..	254	46	33	..	1	7	1
63	Ranaghat	28,012	34	32	66	2.4	..	..	..	9	11	19	..	..	3	..
64	Birnagar	3,879	5	6	11	2.8	..	..	..	8	3	4	..	..	..	..
65	Santipur	43,004	428	387	815	19.0	3	..	..	10	3	19	..	2	2	1
66	Chakdah	15,503	105	84	189	12.1	8	4	..	8	8	7	..	..	..	..

Murshidabad District.																		
67	Berhampur	..	56,670	773	764	1,537	27·1	5	..	..	171	43	42	1	10	4	15	2
68	Murshidabad	..	11,049	161	148	309	28·0	2	..	..	33	6	16	..	..	1	..	..
69	Kandi	..	15,357	64	52	116	7·6	..	..	..	5	3	5	..	..	..	..	..
70	Jiaganj-Azimganj	..	19,325	132	93	225	19·6	3	..	..	22	14	12	..	1	..	1	..
71	Jangipur	..	18,699	209	214	423	22·6	8	7	..	20	5	5	..	..	..	4	..
72	Dhulian	..	16,192	179	171	350	21·6	14	3	..	96	8	5	..	..	..	2	1
West Dinajpur District																		
73	Bahurghat	..	18,235	71	60	131	7·2	..	..	..	10	4	6	..	..	1	1	..
74	Raiganj	..	15,548	42	33	75	4·8	..	..	..	12	6	4	..	..	1	..	..
Jalpaiguri District																		
75	Jalpaiguri	..	41,770	496	480	976	23·4	..	..	..	144	45	53	1	3	2	18	3
Darjeeling District																		
76	Darjeeling	..	34,040	373	401	774	22·7	..	..	..	171	5	48	..	..	1	6	..
77	Kurseong	..	11,730	168	148	316	26·9	..	..	..	108	5	76	..	..	..	5	..
78	Kalimpong	..	16,752	200	195	395	23·6	..	..	..	76	30	62	..	1	..	5	..
79	Siliguri	..	32,531	130	98	228	7·0	2	..	..	28	4	9	..	1	..	7	..
Malda District																		
80	English Bazar	..	31,580	318	249	567	18·0	1	1	..	35	9	10	1	1	1	10	..
81	Old Maldah	..	4,523	26	25	51	11·0	..	..	..	2	3	7	..	..	..	..	..
Total of towns ..																		
			5,702,412	56,559	52,393	108,952	19·1	2,354	530	16	9,274	7,965	14,479	44	156	124	1,312	76
Total for the State																		
			24,468,018	294,149	271,031	565,180	23·1	6,057	3,574	16	113,691	16,148	30,311	264	654	617	4,146	1,471



Serial No.	Districts	Death					Rates of deaths per 1,000 of population									
		Killed by wild beats	Rabies	Total	All other causes	Total deaths from all causes	Cholera	Small-pox	Plague	Fevers	Dysen-tery and diarrhoea	Respira-tory diseases	Injury	All other causes	For all causes	
															For the year	Mean of five years (1947-51)
B—TOWNS.																
46	North Barrackpore	..	..	5	54	151	.7	.03	..	.6	.9	.6	.2	1.7	4.7	5.8
47	Barrackpore Cantt.	..	..	17	79	365	.2	.1	..	4.5	.6	.8	.4	1.9	8.6	6.2
48	Titagarh	..	..	8	105	1,151	.4	.01	..	13.0	.1	.9	.1	1.5	16.0	22.1
49	Naihati	..	..	4	140	339	.04	..	..	1.1	.8	1.6	.07	2.5	6.1	8.6
50	Bhatpara	..	..	24	1,247	2,201	.2	.09	..	4.7	.4	1.5	.2	9.2	16.3	23.7
51	Halisahar	..	..	2	57	116	.03	.06	..	.5	.2	.8	.06	1.6	3.3	4.1
52	Kanchrapara	..	..	..	31	65	.02	..	..	.3	.07	.2	..	.5	1.1	4.1
53	Baranagar	..	1	25	557	1,234	.7	.02	..	2.6	2.7	2.3	.3	7.2	15.8	3.6
54	Kamarhati	..	..	28	266	620	.1	.01	..	1.3	1.2	1.5	.4	3.4	7.9	9.4
55	Baraset	..	..	4	26	79	1.1	..	..	1.2	.3	.5	.2	1.6	4.9	4.4
56	Gobardanga	..	..	4	43	190	.8	..	..	14.1	2.6	4.2	.6	6.5	28.7	11.4
57	Basirhat	..	..	5	59	122	.3	.3	..	.5	.2	.4	.1	1.6	3.5	7.4
58	Taki	..	..	..	27	56	.2	.2	..	.8	.4	.7	..	2.0	4.2	7.4
59	Baduria	..	..	..	9	52	.3	..	..	1.8	.2	.4	..	.6	3.2	5.4
60	City of Calcutta	35	7	954	18,587	38,422	.5	.07	.006	1.3	1.8	3.7	.4	7.2	14.9	23.4
Nadia District																
61	Krishnagar	..	..	13	146	266	.08	..	..	.8	.5	.7	.3	2.9	5.2	9.4
62	Nabadwip	..	..	10	172	518	.05	..	..	4.4	.8	.6	.2	3.0	9.1	41.4
63	Ranaghat	..	..	4	73	116	..	..	..	.3	.4	.7	.1	2.6	4.1	6.4
64	Birnagar	..	..	..	..	15	..	..	..	2.1	.8	1.0	..	..	3.9	11.4
65	Santipur	..	..	7	185	227	.07	..	..	.2	.07	.4	.2	4.3	5.3	14.4
66	Chakdah	..	..	..	10	45	.5	.3	..	.5	.5	.5	..	.7	2.9	20.4

Murshidabad District

67	Berhampur	..	..	5	37	304	602	.09	..	..	3.0	.7	.7	5.3	10.6	24.3
68	Murshidabad	..	..	..	1	56	114	.2	..	..	3.0	.5	1.4	5.1	10.3	13.9
69	Kandi	..	..	..	..	31	44	..	..	..	.3	.2	.3	2.0	2.9	8.0
70	Jiaganj-Azimganj	..	..	..	2	54	107	.2	..	..	1.1	.8	.6	2.8	5.5	8.3
71	Jangipur	..	..	..	4	38	87	.4	.4	..	1.1	.3	.3	2.0	4.7	6.4
72	Dhulian	..	..	..	3	3	132	.9	.2	..	5.9	.5	.3	.2	8.2	10.4

West Dinajpur District

73	Bahurghat	..	..	..	2	20	42	..	..	..	.5	.3	.3	1.1	2.3	..
74	Raiganj	..	..	..	1	7	30	..	..	..	.8	.4	.3	.5	1.9	..

Jalpaiguri District

75	Jalpaiguri	..	..	1	28	191	461	..	..	..	3.4	1.0	1.3	4.6	11.0	18.2
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Darjeeling District

76	Darjeeling	..	..	..	7	158	389	..	..	..	5.0	.2	1.4	4.7	11.4	19.3
77	Kurseong	..	..	..	5	98	292	..	..	..	9.2	.5	6.5	8.3	24.9	38.3
78	Kalimpong	..	..	..	6	114	288	..	..	..	4.5	1.8	3.7	6.8	17.2	30.6
79	Siliguri	..	..	1	9	45	97	.06	..	..	.9	.1	.3	1.3	3.0	..

Malda District

80	English Bazar	..	..	1	14	60	130	.03	.03	..	1.1	.3	.3	1.9	4.1	8.0
81	Old Malda	..	..	..	..	6	18	..	..	..	.4	.7	1.5	1.3	4.0	14.5

Total of towns		37	26	1,775	30,966	67,359	.4	.1	.003	1.6	1.4	2.5	.3	5.4	11.8	18.8
Total for the State		93	127	7,372	88,277	2,65,446	.2	.1	.001	4.6	.7	1.2	.3	3.6	10.8	17.0



Annual Form No. VI(A).—Deaths registered from different causes in the districts (Rural circles) of West Bengal 1952.

Serial No.	Districts.	Anthrax.		Acute Poliomyelitis.		Beri Beri.		Cancer.		Chicken-pox.			
		Deaths.		Ratio.		Deaths.		Ratio.		Deaths.		Ratio.	
A Rural District.													
1	Burdwan	..	1	..	..	6	..003	35	..02	23	..01		
2	Birbhum	..	..	..	..	..	..	3	..003	27	..03		
3	Bankura	..	..	..	..	..	..	10	..008	..	..		
4	Midnapore	..	..	..	..	1	..0003	3	..001	27	..01		
5	Hooghly	..	..	..	..	8	..007	15	..01	12	..01		
6	Howrah	..	..	2	..002	56	..05	44	..04	..	..		
7	24-Parganas	..	..	..	..	24	..007	8	..002	25	007		
8	Nadia	..	..	..	..	2	..0002	2	..0002	..	..		
9	Murshidabad	..	..	..	..	..	..	..	..	144	..09		
10	West Dinajpur	..	..	..	..	..	..	..	..	6	..009		
11	Jalpaiguri	..	..	..	..	..	..	5	..006	1	..001		
12	Darjeeling	..	..	3	..008	4	..01	..	..	2	..006		
13	Malda	..	..	..	..	..	..	1	..001	11	..01		
Rural Total		..	1	..0001	5	..0003	101	..005	126	..007	278	..01	

A Rural District.

1	Burdwan	..	..	27	.01	49	.02	68	.03	1	.0005	..	..
2	Birbhum	..	..	1	.001	10	.01	38	.04	..	..	1	.001
3	Bankura	..	..	6	.005	15	.01	208	.2	..	..	1	.0008
4	Midnapur	..	..	5	.002	8	.002	177	.05	..	..	..	..
5	Hooghly	..	..	15	.01	15	.01	13	.01	1	.001	..	..
6	Howrah	..	..	6	.005	136	.1	17	.02	..	..	..	..
7	24-Parganas	..	..	2	.0006	78	.02	7	.002	4	.001	1	.0003
8	Nadia	..	..	2	.0002	6	.0006	5	.0005	..	..	2	.0002
9	Murshidabad	..	..	3	.002	2	.001	15	.009	..	..	4	.002
10	West Dinajpur	..	..	1	.001	..	..	3	.004	2	.003	..	..
11	Jalpaiguri	..	..	7	.008	2	.002	26	.03	..	..	13	.01
12	Darjeeling	..	..	11	.03	18	.05	..	..	..	..	17	.05
13	Malda	..	..	2	.002	9	.01	6	.007	..	..	..	..

Rural Total ..	88	.005	348	.02	583	.03	8	.0004	39	.002
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Serial No.	Districts.	Tuberculosis of meninges.		Other tuberculosis diseases.		All other causes.		Black water fever.		Cerebrospinal fever.	
		Deaths.		Deaths.		Deaths.		Deaths.		Deaths.	
		Deaths.	Ratio.	Deaths.	Ratio.	Deaths.	Ratio.	Deaths.	Ratio.	Deaths.	Ratio.
A Rural Districts.											
1	Burdwan	..	..	16	.008	5,584	2.8	5	.002	18	.009
2	Birbhum	..	..	2	.002	2,843	2.7	..	..	1	.001
3	Bankura	..	.004	..	..	3,741	3.0	..	..	6	.005
4	Midnapur	..	.003	11	.003	11,200	3.4	1	.0003	10	.003
5	Hooghly	..	.005	6	.005	3,293	2.7	..	..	18	.01
6	Howrah	..	.002	1	.0009	2,415	2.1	2	.002	..	..
7	24-Parganas	..	.0006	44	.01	8,295	2.5	..	..	1	.0003
8	Nadia	..	..	..	..	1,571	.2	1	.0001	..	..
9	Murshidabad	..	..	22	.01	4,086	2.5	..	..	..	..
10	West Dinajpur	..	..	2	.003	2,292	3.3	..	..	..	..
11	Jalpaiguri	..	.003	6	.007	4,684	5.3	2	.002	8	.009
12	Darjeeling	..	.04	146	.4	1,262	3.6	5	.01	10	.03
13	Malda	..	..	1	.001	1,477	1.6	..	..	..	..
Rural Total		43	.002	257	.01	52,743	2.8	16	.0008	72	.004

Serial No.	Districts.	Enteric group of fevers.		Influenza.		Kala-azar.		Malaria.		Measles.			
		Deaths.	Ratio.	Deaths.	Ratio.	Deaths.	Ratio.	Deaths.	Ratio.	Deaths.	Ratio.		
A Rural Districts.													
1	Burdwan	..	..	256	.1	4	.002	82	.04	3,279	1.6	37	.02
2	Birbhum	..	..	33	.03	..	..	9	.01	1,415	1.4	40	.04
3	Bankura	..	..	155	.1	24	.02	5	.004	1,326	1.1	60	.05
4	Midnapur	..	..	220	.07	2	.0006	8	.002	5,389	1.6	46	.02
5	Hooghly	..	..	223	.2	14	.01	107	.1	1,435	1.2	44	.04
6	Howrah	..	..	125	.1	18	.02	39	.03	616	.5	10	.009
7	24-Parganas	..	..	294	.09	31	.009	90	.03	3,365	1.0	64	.02
8	Nadia	..	..	28	.003	5	.0005	31	.003	3,515	.4	13	.001
9	Murshidabad	..	..	13	.008	3	.002	49	.03	2,642	1.6	44	.03
10	West Dinajpur	..	..	84	.1	2	.003	294	.4	1,729	2.5	10	.01
11	Jalpaiguri	..	..	14	.02	27	.03	51	.06	2,218	2.5	15	.02
12	Darjeeling	..	..	23	.06	140	.4	64	.2	858	2.4	12	.03
13	Malda	..	..	7	.008	2	.002	35	.04	1,960	2.2	18	.02
Rural Total ..		1,475	.08	272	.01	864	.05	29,747	1.6	413	.02		



Serial No.	Districts.	Relapsing fever. (spirochatal)		Typhus fevers.		Other fevers.		Child with		Dysentery.		Diarrhoea.	
		Deaths.	Ratio.	Deaths.	Ratio.	Deaths.	Ratio.	Deaths.	Ratio.	Deaths.	Ratio.	Deaths.	Ratio.
A Rural Districts.													
1	Burdwan	..	1	..	..	7,061	3.5	228	4.7	133	.07	586	.3
2	Birbhum	..	..	..	..	7,247	7.0	169	4.8	38	.04	48	.05
3	Bankura	..	..	..	..	6,266	5.0	150	3.9	142	.1	610	.5
4	Midnapur	..	..	..	..	15,243	4.6	521	5.8	741	.2	1,065	.3
5	Hooghly	..	..	..	..	2,158	1.8	119	4.4	116	.1	723	.6
6	Howrah	..	..	..	..	1,470	1.3	34	1.9	153	.1	720	.6
7	24-Parganas	..	..	..	..	8,495	2.5	228	4.0	645	.2	578	.2
8	Nadia	..	..	..	..	2,942	.3	86	4.1	41	.004	32	.003
9	Murshidabad	..	..	..	..	7,033	4.4	127	2.7	94	.06	51	.03
10	West Dinajpur	..	..	..	..	3,860	5.6	297	15.1	55	.08	58	.08
11	Jalpaiguri	..	..	..	..	3,044	3.4	561	18.8	493	.6	556	.6
12	Darjeeling	..	4	..	.008	2,012	5.6	80	7.6	249	.7	166	.5
13	Maldah	..	..	..	..	4,719	5.2	91	4.3	40	.04	50	.05
Rural Total ..		5	.0003	3	.0002	71,550	3.8	2,691	5.8	2,940	.2	5,243	.3

Serial No.	Districts.	Pneumonia.		Tuberculosis of lungs.		Whooping cough.		Other respiratory diseases.		Deaths under one year.		Infant mortality rate.			
		Deaths.	Ratio.	Deaths.	Ratio.	Deaths.	Ratio.	Deaths.	Ratio.	Male.	Female.		Total.		
A Rural Districts.															
1	Burdwan	..	..	730	.4	406	.2	8	.004	672	.3	2,709	2,235	4,944	102.1
2	Birbhum	..	..	71	.1	179	.2	19	.02	98	.1	2,038	1,640	3,678	105.2
3	Bankura	..	..	494	.4	470	.4	15	.01	453	.4	1,851	1,520	3,371	88.5
4	Midnapur	..	..	1,092	.3	542	.2	36	.01	806	.2	3,830	3,176	7,006	78.7
5	Hooghly	..	..	598	.5	281	.2	50	.04	574	.5	1,122	815	1,937	72.6
6	Howrah	..	..	150	.1	389	.3	86	.08	238	.2	590	426	1,016	58.1
7	24-Parganas	..	..	598	.2	441	.1	98	.03	336	.1	2,045	1,501	3,546	62.5
8	Nadia	..	..	125	.01	49	.005	13	.001	41	.002	1,069	874	1,943	92.6
9	Murshidabad	..	..	96	.06	114	.07	35	.02	42	.03	2,172	1,801	3,973	86.9
10	West Dinajpur	..	..	1,275	1.8	73	.1	29	.04	109	.2	1,084	882	1,966	103.9
11	Jalpaiguri	..	..	1,930	2.2	687	.8	31	.03	267	.4	1,674	1,528	3,202	112.0
12	Darjeeling	..	..	378	1.1	236	.7	31	.09	55	.2	529	433	962	94.8
13	Maldah	..	..	92	.1	49	.05	51	.06	94	.1	957	713	1,670	80.5
Rural Total		..	..	7,629	.4	3,916	.2	502	.03	3,785	.2	21,670	17,544	39,214	86.0





Hooghly District

20	Hooghly Chinsurah	..	..	..	..	..	..	3	.05	..	8	.1	..	..	..
21	Bansberia	..	..	..	..	..	..	2	.07	..	7	.2	..	3	.1
22	Arambagh	..	..	..	..	..	..	..	..	..	..	..	..	..	..
23	Sandhoke	..	..	..	..	..	..	..	..	..	9	.1	..	1	.01
24	Baidyabati	..	..	..	..	..	..	..	..	..	6	.2	..	..	..
25	Rishra	..	..	..	..	..	..	..	..	..	1	.04	..	..	..
26	Uttarpara	..	..	..	..	..	..	1	.06	..	3	.2	..	..	..
27	Kotrung	..	..	..	..	..	..	..	..	..	3	.2	..	..	..
28	Bhadreswar	..	..	..	..	..	..	..	..	..	2	.05	..	..	..
29	Chamdpani	..	..	..	..	..	..	..	..	..	1	.03	..	..	..
30	Konnagar	..	..	..	..	..	..	..	..	..	1	.05	..	..	..

Howrah District.

31	Howrah	..	..	..	..	..	..	..	..	..	34	.08	..	..	..
32	Bally	..	..	..	..	..	..	1	.02	..	2	.03	..	..	..

24-Parganas.

33	Tollygung	..	..	..	..	..	..	1	.007	..	1	.007	..	..	..
34	South Suburban..	..	..	..	..	..	..	..	..	..	2	.01	..	..	..
35	Garden Reach	..	..	..	..	..	..	3	.03	..	4	.04	..	..	..
36	Budge Budge	..	..	..	..	..	..	..	..	..	2	.06	..	..	..
37	Baruipur	..	..	..	..	..	..	..	..	..	..	..	..	..	..
38	Rajpur	..	..	..	..	..	..	1	.06	..	4	.2	..	..	..
39	Jaynagar	..	..	..	..	..	..	..	..	..	1	.07	..	..	..
40	Dum Dum	..	..	..	..	..	..	..	..	..	..	..	..	..	..
41	North Dum Dum	..	..	..	..	..	..	..	..	..	..	..	..	..	..
42	South Dum Dum	..	..	..	..	..	..	..	..	..	1	.02	..	..	..
43	Kardah	..	..	..	..	..	..	..	..	..	1	.05	..	..	..
44	Panihati	..	..	..	..	..	..	1	.02	..	1	.02	..	..	..
45	Garulia	..	..	..	..	..	..	1	.04	..	..	..	..	1	.04





Hooghly District.

20	Hooghly Chinsurah	..	..	1	..	..	..	1	..	..	..	..	..	..	..
21	Bansberia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
22	Arambagh	..	..	..	..	..	..	..	..	..	..	..	..	..	..
23	Serampore	..	..	..	..	2	..	2	..	..	..	..	..	..	..
24	Baidyabati	..	..	..	..	..	..	..	..	..	..	..	..	..	..
25	Rishra	..	..	..	..	..	..	..	..	..	..	..	..	..	..
26	Uttarpara	..	..	1	..	3	..	3	..	..	..	..	..	..	..
27	Kotrung	..	..	..	..	1	..	1	..	..	..	2	..	..	..
28	Bhadreswar	..	..	1	..	..	..	..	..	..	..	..	..	..	..
29	Chamdani	..	..	..	..	..	..	1	..	..	..	1	..	..	..
30	Konnagar	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Howrah District.

31	Howrah	..	..	3	..	..	..	..	..	..	..	..	..	..	..
32	Bally	..	..	..	..	4	..	..	..	..	..	..	..	..	..

24-Parganas.

33	Tollygung	..	..	..	..	1	..	..	..	..	..	..	..	..	..
34	South Suburban	..	..	..	..	18	..	1	..	..	..	..	..	..	..
35	Garden Reach	..	..	..	..	1	..	..	..	..	..	..	..	..	..
36	Budge Budge	..	..	..	..	..	..	..	..	..	..	..	..	..	..
37	Baraipur	..	..	..	..	..	..	..	..	..	..	..	..	..	..
38	Rajpur	..	..	1	..	..	..	..	..	..	..	..	..	..	..
39	Jaynagar	..	..	..	..	..	..	..	..	..	..	..	..	..	..
40	Dum Dum	..	..	..	..	..	..	..	..	..	..	..	..	..	..
41	North Dum Dum	..	..	..	..	..	..	..	..	..	..	..	..	..	..
42	South Dum Dum	..	..	..	..	2	..	..	..	..	..	..	..	..	..
43	Kardah	..	..	..	..	..	..	..	..	..	..	..	..	..	..
44	Panihati	..	..	1	..	..	..	..	..	..	..	..	..	..	..
45	Garulia	..	..	..	..	2	..	..	..	..	..	..	..	..	..



Serial No.	Districts.	Tuberculosis of meninges.		Other Tuberculosis diseases.		All other causes.		Blackwater fever.		Cerebrospinal fever.	
		Deaths.	Ratio.	Deaths.	Ratio.	Deaths.	Ratio.	Deaths.	Ratio.	Deaths.	Ratio.
B TOWNS.											
Burdwan District.											
1	Burdwan	..	1	..	..	195	2.6	1	..	..	..
2	Kalna	..	..	..	..	60	3.4	..	..	..	..
3	Katwa	..	..	..	..	41	2.6	..	..	..	..
4	Dainhat	..	..	..	..	..	..	..	..	1	.1
5	Raniganj	..	..	..	..	85	3.3	..	..	..	..
6	Asansol	..	..	..	..	190	2.5	..	..	..	..
Birbhum District.											
7	Suri	..	..	..	..	153	8.3	..	..	1	.05
8	Bolpur	..	..	..	..	38	2.6	..	..	..	..
9	Rampurhat	..	..	..	..	22	1.5	..	..	1	.07
Bankura District.											
10	Bankura	..	2	..	..	85	1.7	..	..	..	..
11	Bishnupur	..	..	..	..	38	1.6	..	..	..	..
12	Sonamukhi	..	..	..	..	33	2.6	..	..	..	..
Midnapur District.											
13	Midnapur	..	1	..	.02	271	5.9	..	..	..	..
14	Ghatal	..	..	..	..	22	1.3	..	..	..	..
15	Kharar	..	1	..	..	6	1.2	..	..	..	..
16	Chandrakona	..	..	..	..	30	5.2	..	..	..	..
17	Ramjibanpur	..	5	..	.3	12	1.6	..	..	..	..
18	Khairpai	..	..	..	..	17	3.9	..	..	..	..
19	Tamluk	..	..	..	..	43	3.1	..	..	..	..

## Hooghly District.

[illegible]

## Howrah District.

31	Howrah	..	..	..	7	.02	3,496	8.1	..	..	..
32	Bally	..	..	..	..	..	94	1.5	..	..	..

**24, Parganas.**

33	Tollygung	..	..	..	..	..	..	..	..	..	..	..	..	..
34	South Suburban	..	..	..	..	..	1	.007	..	..	..	2.1	300	6 .04
35	Garden Reach	..	..	..	..	..	..	..	..	..	..	2.9	318	..
36	Budge Budge	..	..	..	..	..	..	..	..	..	..	2.5	82	..
37	Barnipur	..	..	..	..	..	..	..	..	..	..	1.3	12	..
38	Rajpur	..	..	..	..	..	..	..	..	..	..	1.2	19	1 .06
39	Jaynagar	..	..	..	..	1	..	..	..	..	..	1.3	17	..
40	Dum Dum	..	..	..	..	..	..	..	..	..	..	1.1	15	..
41	North Dum Dum	..	..	..	..	..	..	..	..	..	..	..	..	..
42	South Dum Dum	..	..	..	..	..	..	..	..	..	..	.3	19	..
43	Khardah	..	..	..	..	1	..	.05	..	..	..	.6	11	..
44	Panihati	..	..	..	..	..	..	..	..	..	..	.9	43	..
45	Garulia	..	..	..	..	..	1	..	.04	..	..	3.1	88	..



Serial No.	Districts.	Enteric group of fevers.		Influenza.		Kala-azar.		Malaria.		Measles.	
		Deaths.	Ratio.	Deaths.	Ratio.	Deaths.	Ratio.	Deaths.	Ratio.	Deaths.	Ratio.
B TOWNS.											
Burdwan District.											
1	Burdwan	..	..	15	.2	..	..	13	.2	94	1.2
2	Kalna	..	..	3	.2	..	..	1	.06	5	.3
3	Katwa	..	..	3	.2	..	..	..	..	5	.3
4	Dainhat	..	..	..	..	..	..	..	..	9	1.1
5	Raniganj	..	..	7	.3	..	..	..	..	1	.04
6	Asansol	..	..	3	.04	..	..	..	..	..	..
Birbhum District.											
7	Suri	..	..	..	..	..	..	..	..	..	..
8	Bolpur	..	..	3	.2	..	..	..	..	3	.2
9	Rampurhat	..	..	1	.07	..	..	..	..	3	.2
Bankura District.											
10	Bankura	..	..	4	.08	..	..	..	..	1	.02
11	Bishnupur	..	..	2	.08	..	..	..	..	2	.08
12	Sonamukhi	..	..	3	.2	..	..	..	..	4	.3
Midnapore District.											
13	Midnapur	..	..	11	.2	..	..	7	.2	23	.5
14	Ghatal	..	..	..	..	..	..	..	..	36	2.2
15	Kharar	..	..	..	..	..	..	..	..	2	.4
16	Chandrakona	..	..	..	..	..	..	..	..	18	3.1
17	Ramjibanpur	..	..	..	..	..	..	1	.1	13	1.7
18	Khirpai	..	..	..	..	..	..	..	..	14	3.2
19	Tamluk	..	..	2	.1	..	..	1	.07	2	.1

Hooghly District.

20	Hooghly Chinsurah	..	..	28	.5	..	..	8	.1	24	.4	1	.02
21	Bansberia	..	..	..	..	1	.03	1	.03	3	.1	4	.1
22	Arambagh	..	..	..	..	..	..	..	..	4	.3	..	..
23	Serampore	..	..	7	.1	..	..	5	.07	14	.2	1	.01
24	Baidyabati	..	..	7	.3	..	..	1	.04	..	..	..	..
25	Rishra	..	..	2	.07	..	..	1	.04	..	..	..	..
26	Uttarpara	..	..	7	.4	1	.06	..	..	2	.1	..	..
27	Kotrung	..	..	2	.2	..	..	..	..	1	.008	..	..
28	Bhadreswar	..	..	1	.03	..	..	..	..	1	.03	3	.1
29	Champdani	..	..	5	.2	..	..	1	.03	1	.03	..	..
30	Konnagar	..	..	2	.1	..	..	..	..	..	..	..	..

Howrah District.

31	Howrah	..	..	164	.4	..	..	11	.02	170	.4	14	.03
32	Bally	..	..	3	.05	..	..	..	..	8	.1	..	..

24—Parganas.

33	Tollygung	..	..	7	.05	..	..	..	..	1	.007	..	..
34	South Suburban	..	..	35	.2	2	.01	6	.04	12	.09	1	.007
35	Garden Reach	..	..	17	.2	..	..	1	.009	11	.1	5	.05
36	Budge Budge	..	..	11	.3	3	.09	..	..	7	.2	..	..
37	Baruipur	..	..	..	..	..	..	..	..	1	.1	..	..
38	Rajpur	..	..	1	.06	..	..	1	.06	..	..	1	.06
39	Jaynagar	..	..	..	..	..	..	..	..	2	.1	..	..
40	Dum Dum	..	..	1	.07	..	..	..	..	..	..	..	..
41	North Dum Dum	..	..	..	..	..	..	..	..	..	..	..	..
42	South Dum Dum	..	..	1	.02	..	..	1	.02	..	..	1	.02
43	Khardah	..	..	1	.05	..	..	..	..	2	.1	..	..
44	Panihati	..	..	..	..	..	..	..	..	..	..	..	..
45	Garulia	..	..	8	.3	..	..	2	.07	..	..	1	.04



Serial No.	Districts.	Relapsing fever (Spirochæta).		Typhus fever.		Other fevers.		Deaths from Child. births.		Dysentery.		Diarrhoea.	
		Deaths.	Ratio.	Deaths.	Ratio.	Deaths.	Ratio.	Deaths.	Ratio.	Deaths.	Ratio.	Deaths.	Ratio.
B TOWNS.													
Burdwan District.													
1	Burdwan	..	..	..	..	2	.03	25	34.6	45	.6	10	.1
2	Kalna	..	..	..	..	133	7.6	3	6.6	5	.3	10	.6
3	Katwa	..	..	..	..	40	2.5	5	11.4	7	.4	2	.1
4	Dalnhat	..	..	..	..	2	.2	..	..	2	.2	1	.1
5	Raniganj	..	..	..	..	21	.8	..	..	5	.2	1	.04
6	Asansol	..	..	..	..	..	..	..	..	..	..	..	..
Birbhum District.													
7	Suri	..	..	..	..	..	..	3	7.3	..	..	..	..
8	Bolpur	..	..	..	..	10	.7	1	6.5	1	.07	5	.3
9	Rampurhat	..	..	..	..	15	1.0	..	..	3	.2	..	..
Bankura District.													
10	Bankura	..	..	..	..	29	.6	..	..	2	.04	17	.3
11	Bishnupur	..	..	..	..	6	.2	1	5.1	1	.04	10	.4
12	Sonamukhi	..	..	..	..	12	1.0	..	..	1	.08	8	.6
Midnapur District.													
13	Midnapur	..	..	..	..	52	1.1	23	20.4	31	.7	30	.7
14	Ghatal	..	..	..	..	1	.06	1	2.3	1	.06	16	1.0
15	Kharar	..	..	..	..	5	1.0	..	..	..	..	1	.2
16	Chandrakona	..	..	..	..	3	.5	2	13.5	4	.7	3	.5
17	Ramjibampur	..	..	..	..	6	.8	3	23.8	..	..	10	1.3
18	Khirpai	..	..	..	..	6	1.4	7	57.9	1	.2	7	1.6
19	Tamluk	..	..	..	..	4	.3	1	6.5	6	.4	3	.2

Hooghly District.

20	Hooghly Chinsurah	..	..	..	..	..	..	..	..	131	2.3	24	12.7	64	1.1	76	1.3
21	Bansberia	..	..	..	..	..	..	..	..	70	2.3	5	14.2	26	.8	7	.2
22	Arambagh	..	..	..	..	..	..	..	..	13	1.1	1	4.5	..	..	4	.3
23	Serampore	..	..	..	..	..	..	..	..	182	2.4	14	8.1	74	1.0	132	1.8
24	Baldyabati	..	..	..	..	..	..	..	..	2	.08	..	..	6	.2	4	.2
25	Rishrah	..	..	..	..	..	..	..	..	13	.5	..	..	4	.1	4	.1
2	Uttarpara	..	..	..	..	..	..	..	..	15	.9	1	3.5	15	.9	3	.2
27	Kotrung	..	..	..	..	..	..	..	..	11	.9	1	4.1	7	.6	3	.2
28	Bhadreswar	..	..	..	..	..	..	..	..	41	1.1	1	1.7	7	.2	15	.4
29	Chamdani	..	..	..	..	..	..	..	..	10	.3	2	2.3	2	.06	8	.2
30	Konnagar	..	..	..	..	..	..	..	..	4	.2	1	3.9	3	.1	4	.2

Howrah District.

31	Howrah	..	..	..	..	..	..	..	..	122	.3	23	2.5	854	2.0	685	1.6
32	Bally	..	..	..	..	..	..	..	..	12	.2	1	2.1	21	.3	14	.2

24-Parganas.

33	Tollygung	..	..	..	..	..	..	..	..	2	.01	1	1.1	5	.03	3	.02
34	South Suburban	..	..	..	..	..	..	..	..	32	.2	2	1.3	133	.9	88	.6
35	Garden Reach	..	..	..	..	..	..	..	..	158	1.4	15	11.9	53	.5	23	.2
36	Budge Budge	..	..	..	..	..	..	..	..	23	.7	..	..	50	1.5	47	1.5
37	Baruipur	..	..	..	..	..	..	..	..	3	.3	..	..	1	.1	..	..
38	Rajpur	..	..	..	..	..	..	..	..	36	2.2	3	13.9	7	.4	2	.1
39	Joynagar	..	..	..	..	..	..	..	..	11	.9	1	4.5	1	.07	1	.07
40	Dum Dum	..	..	..	..	..	..	..	..	1	.07	1	5.8	..	..	1	.07
41	North Dum Dum	..	..	..	..	..	..	..	..	6	.5	..	..	1	.08	2	.2
42	South Dum Dum	..	..	..	..	..	..	..	..	3	.05	..	..	1	.02	2	.03
43	Khardah	..	..	..	..	..	..	..	..	9	.5	..	..	2	.1	7	.4
44	Panihati	..	..	..	..	..	..	..	..	19	.4	..	..	7	.1	3	.06
45	Garulia	..	..	..	..	..	..	..	..	16	.6	..	..	3	.1	9	.3



Serial No.	Districts.	Pneumonia.		Tuberculosis of lungs.		Whooping cough.		Other respiratory diseases.		Deaths under one year.		Infant mortality rate.			
		Deaths.		Deaths.		Deaths.		Deaths.		Male.	Female.		Total.		
		Ratio.	Ratio.	Ratio.	Ratio.	Ratio.	Ratio.								
B TOWNS.															
Burdwan District.															
1	Burdwan	..	..	27	.4	34	.4	..	..	30	.4	..	..		
2	Kalna	..	..	3	.2	9	.5	..	..	4	.2	48	31	79	177.5
3	Katwa	..	..	3	.2	2	.1	..	..	4	.3	7	4	11	25.1
4	Dainhat	..	..	..	..	..	..	..	..	4	.5	..	5	5	34.7
5	Raniganj	..	..	2	.08	9	.3	1	.04	13	.5	11	13	24	72.1
6	Asansol	..	..	..	..	8	.1	..	..	2	.03	22	8	30	129.3
Birbhum District.															
7	Suri	..	..	..	..	1	.05	..	..	1	.05	15	8	23	56.0
8	Bolpur	..	..	2	.1	4	.3	2	.1	4	.3	4	11	15	97.4
9	Rampurhat	..	..	2	.1	2	.1	1	.07	3	.2	20	11	31	329.8
Bankura District.															
10	Bankura	..	..	5	.1	5	.1	..	..	9	.2	10	6	16	29.9
11	Bishnupur	..	..	6	.2	7	.3	..	..	16	.7	6	2	8	40.4
12	Sonamukhi	..	..	6	.5	2	.2	..	..	1	.08	3	8	11	47.8
Midnapur District.															
13	Midnapur	..	..	24	.5	14	.3	..	..	23	.5	26	22	48	42.7
14	Ghatal	..	..	5	.3	..	..	..	..	10	.6	14	6	20	46.7
15	Kharar	..	..	3	.6	2	.4	..	..	3	.6	1	2	3	45.5
16	Chandrakona	..	..	5	.9	4	.7	..	..	9	1.5	3	4	7	47.3
17	Ramjibanpur	..	..	7	.9	3	.4	..	..	10	1.3	6	11	17	134.9
18	Kharpai	..	..	3	.7	1	.2	..	..	2	.5	4	6	10	82.6
19	Tamluk	..	..	1	.07	3	.2	..	..	2	.1	2	3	5	32.7

Hooghly District.

20	Hooghly Chinsurah	..	36	.6	53	1.0	..	..	46	.8	108	65	173	92.5
21	Bansberia	..	8	.3	7	.2	..	..	14	.5	13	18	31	88.8
22	Arambagh	..	6	.5	..	..	..	..	2	.2	9	6	15	68.8
23	Serampore	..	50	.7	38	.5	1	.01	38	.5	228	194	422	245.2
24	Baidyabati	..	15	.6	9	.4	..	..	10	.4	23	23	46	67.5
25	Rishrah	..	2	.07	10	.4	..	..	10	.4	6	4	10	58.1
26	Uttarpara	..	12	.7	..	..	..	..	..	..	12	7	19	68.3
27	Kotrung	..	7	.6	4	.3	..	..	4	.3	8	5	13	55.8
28	Bhadreswar	..	9	.2	31	.8	..	..	25	.7	27	18	45	74.6
29	Champdani	..	5	.2	17	.5	..	..	4	.1	8	4	12	13.6
30	Konnagar	..	2	.1	3	.1	..	..	9	.4	4	3	7	27.3

Howrah District.

31	Howrah	..	573	1.3	464	1.1	..	..	1,160	2.7	1,318	1,195	2,513	28.4
32	Bally	..	18	.3	17	.3	..	..	17	.3	23	13	36	75.5

24-Parganas District.

33	Tollygung	..	9	.06	10	.07	1	.007	9	.06	6	5	11	12.1
34	South Suburban	..	130	.9	41	.3	8	.06	30	.2	170	160	330	218.1
35	Garden Reach	..	46	.4	36	.3	..	..	30	.3	114	90	204	165.7
36	Budge Budge	..	13	.4	13	.4	..	..	15	.5	21	10	31	65.7
37	Barulpur	..	3	.3	1	.1	1	.1	3	.3	2	1	3	21.9
38	Raipur	..	3	.2	4	.2	..	..	3	.2	7	1	8	37.0
39	Joynagar	..	1	.07	3	.2	..	..	8	.6	2	4	6	27.4
40	Dum Dum	..	3	.2	..	..	..	..	2	.1	8	3	11	65.5
41	North Dum Dum	..	1	.08	2	.2	..	..	..	..	1	..	1	10.2
42	South Dum Dum	..	1	.02	40	.7	..	..	2	.03	3	4	7	35.2
43	Khardah	..	4	.2	2	.1	..	..	10	.5	4	3	7	59.3
44	Panihati	..	2	.04	1	.02	..	..	1	.02	4	2	6	23.3
45	Garulia	..	4	.1	17	.6	..	..	..	..	12	17	29	78.4





67	Berhampore	..	..	..	..	..	..	..	..	6	.1	..	..
68	Murshidabad	..	..	..	..	..	..	..	..	1	.09	..	..
69	Kandi	..	..	..	..	..	..	..	..	..	..	..	..
70	Jiaganj-Azimganj	..	..	..	..	..	..	..	..	1	.05	..	..
71	Jangipur	..	..	..	..	..	..	1	.05	2	.1	..	..
72	Dhulian	..	..	..	..	..	..	..	..	..	..	..	..

West Dinajpur District.

73	Balurghat	..	..	..	..	..	..	..	..	..	..	..	..
74	Raiganj	..	..	..	..	..	..	..	..	..	..	..	..

Jalpaiguri District.

75	Jalpaiguri	..	..	..	..	..	..	..	..	5	.1	..	..
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Darjeeling District.

76	Darjeeling	..	..	..	..	..	..	..	..	2	.06	..	..
77	Kurseong	..	..	..	..	..	..	..	..	..	..	..	..
78	Kalimpong	..	..	..	..	..	..	..	..	1	.06	..	..
79	Siliguri	..	..	..	..	..	..	..	..	..	..	..	..

Malda District.

80	English Bazar	..	..	..	..	..	..	..	..	1	.03	..	..
81	Old Malda	..	..	..	..	..	..	..	..	..	..	..	..

Total for towns

Total for the State

..	..	..	4	.0007	47	.008	875	.2	35	.006
..	1	.00004	9	.0004	48	.006	1,001	.04	3.13	.01





67	Berhampore	..	..	8	.1	2	.04	..	..	..	..	..	..
68	Murshidabad	..	..	..	..	1	.09	..	..	..	..	..	..
69	Kandi	..	..	1	07	1	.07	..	2	.1	..	..	..
70	Jiaganj-Azimganj	..	..	..	..	3	.2	..	..	..	..	..	..
71	Jangipur	..	..	1	.05	..	..	..	..	..	1	.05	..
72	Dhulian	..	..	..	..	..	..	..	..	..	..	..	..

West Dinajpur District.

73	Balurghat	..	..	..	..	..	..	..	..	..	..	..	..
74	Raiganj	..	..	..	..	..	..	..	..	..	..	..	..

Jalpaiguri District.

75	Jalpaiguri	..	..	..	..	6	.1	..	4	.1	..	..	..
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Darjeeling District.

76	Darjeeling	..	..	5	.1	..	..	..	..	..	..	..	..
77	Kurseong	..	..	..	..	14	1.2	..	..	..	..	..	..
78	Kalimpong	..	..	2	.1	..	..	..	2	.1	1	.06	..
79	Siliguri	..	..	..	..	..	..	..	..	..	..	..	..

Malda District.

80	English Bazar	..	..	1	.03	..	..	..	..	..	..	..	..
81	Old Malda	..	..	..	..	..	..	..	..	..	..	..	..

Total for towns

..	132	.02	133	.02	87	.02	4	.0007	16	.003
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Total for the State

..	220	.01	481	.02	670	.03	12	.0005	55	.002
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Serial No.	Districts.	Tuberculosis of meninges.		Other Tuberculosls. diseases.		All other causes.		Black water fever.		Cerebrospinal fever.	
		Deaths.	Ratio.	Deaths.	Ratio.	Deaths.	Ratio.	Deaths.	Ratio.	Deaths.	Ratio.
B TOWNS.											
24-Parganas.											
46	North Barrackpore	..	..	..	..	42	1.3	..	..	..	..
47	Barrackpore Cantt.	..	..	:	..	70	1.6	..	..	..	..
48	Titagarh	..	..	..	..	98	1.4	..	..	..	..
49	Naihati	..	..	..	..	124	2.2	..	..	..	..
50	Bhatpara	..	1 .007	..	..	1,205	8.9	..	..	1	.007
51	Halisahar	..	..	4	.1	51	1.5	..	..	..	..
52	Kanchrapara	..	..	..	..	28	.5	..	..	..	..
53	Baranagar	..	1 .01	3	.04	527	6.8	..	..	..	..
54	Kamarhati	..	..	..	..	238	3.0	..	..	1	.01
55	Barasat	..	..	..	..	22	1.4	..	..	1	.06
56	Gobardanga	..	..	..	..	28	4.2	..	..	1	.2
57	Basirhat	..	..	..	..	54	1.5	..	..	2	.06
58	Taki	..	..	..	..	26	2.0	..	..	..	..
59	Bakuria	..	..	..	..	7	.4	..	..	..	..
60	City of Calcutta..	..	.06	319	.1	16,951	6.6	5	.002	237	.09
Nadia District.											
61	Krishnagar	..	..	1	.02	129	2.5	..	..	..	..
62	Nabadwip	..	..	..	..	134	2.3	..	..	..	..
63	Ranaghat	..	..	1	.03	68	2.4	..	..	..	..
64	Birnagar	..	..	..	..	..	..	..	..	..	..
65	Santipur	..	..	..	..	179	4.2	..	..	..	..
66	Chakdah	..	..	..	..	7	.5	..	..	..	..

Murshidabad District.

67	Berhampur	..	..	6	.1	..	..	280	4.9	..	..	..	..
68	Murshidabad	..	..	..	..	..	..	54	4.9	..	..	..	..
69	Kandi	..	..	..	..	..	..	27	1.8	..	..	..	..
70	Jiaganj Azimganj	..	..	..	..	..	..	50	2.6	..	..	..	..
71	Jangipur	..	..	..	..	4	.2	25	1.3	..	..	..	..
72	Dhulian	..	..	..	..	..	..	2	.1	..	..	..	..
West Dinajpur.													
73	Balurghat	..	..	..	..	..	..	19	1.0	..	..	..	..
74	Raiganj	..	..	..	..	..	..	7	.5	..	..	1	.06

Jalpaiguri District.

75	Jalpaiguri	..	..	..	..	..	..	172	4.1	3	.1	..	..
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Darjeeling District.

76	Darjeeling	..	..	1	.03	26	.8	121	3.6	..	..	..	..
77	Kurseong	..	..	..	..	6	.5	73	6.2	2	.2	..	..
78	Kalimpong	..	..	..	..	3	.2	101	6.0	..	..	..	..
79	Siliguri	..	..	..	..	..	..	40	1.2	..	..	..	..

Malda District.

80	English Bazar	..	..	..	..	..	..	51	1.6	..	..	..	..
81	Old Malda	..	..	..	..	..	..	6	1.3	..	..	..	..

Total of towns

..	185	.03	390	.07	28,481	5.0	11	.002	255	.04
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Total for State

..	228	.01	647	.03	81,224	3.3	27	.001	327	.01
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Serial No.	Districts.	Enteric group of fevers.		Influenza.		Kala-azar.		Malaria.		Measles.	
		Deaths.	Ratio.	Deaths.	Ratio.	Deaths.	Ratio.	Deaths.	Ratio.	Deaths.	Ratio.
B TOWNS.											
46	North Barrackpore	..	.2	..	..	1	.03	1	.03	..	..
47	Barrackpore Cantt.	..	.4	..	..	1	.02	3	.07	..	..
48	Titagarh	..	..	..	..	1	.01	..	..	..	..
49	Naihati	..	.2	1	.02	1	.02	8	.1	..	..
50	Bhatpara	..	.2	..	..	3	.02	8	.06	8	.06
51	Halisahar	..	.03	..	..	..	..	2	.06	..	..
52	Kanchrapara	..	.05	..	..	..	..	2	.03	..	..
53	Baranagar	..	.7	..	..	7	.09	28	.4	1	.01
54	Kamarhati	..	.2	..	..	5	.06	9	.1	2	.03
55	Barasat	..	..	1	.06	..	..	10	.6	..	..
56	Gobardanga	..	9	..	..	3	.5	37	5.6	3	.5
57	Basirhat	..	.1	..	..	..	..	5	.1	1	.03
58	Taki	..	..	..	..	1	.08	..	..	..	..
59	Baduria	..	.06	..	..	..	..	28	1.7	..	..
60	City of Calcutta..	..	.3	30	.01	124	.04	855	.3	130	.05
Nadia District.											
61	Krishnagar	..	.1	..	..	7	.1	18	.2	..	..
62	Nabadwip	..	.3	..	..	3	.05	7	.1	..	..
63	Ranaghat	..	.07	..	..	2	.07	2	.07	..	..
64	Birnagar	..	..	..	..	..	..	7	1.8	..	..
65	Santipur	..	.07	..	..	..	..	1	.02	..	..
66	Chakdah	..	.06	..	..	1	.06	4	.3	1	.06

67	Berhampur	..	..	16	.3	..	..	10	.2	9	.2	..	..
68	Murshidabad	..	..	3	.3	..	..	..	..	3	.3	2	.2
69	Kandi	..	..	..	..	..	..	..	..	..	..	..	..
70	Jiaganj Azinganj	..	..	4	.2	..	..	1	.05	6	.3	..	..
71	Jangipur	..	..	..	..	..	..	1	.05	6	.3	..	..
72	Dhulian	..	..	..	..	..	..	2	.1	92	5.7	..	..

West Dinajpur

73	Balurghat	..	..	2	.1	..	..	..	..	3	.2	..	..
74	Raiganj	..	..	1	.06	..	..	5	.3	4	.3	1	.06

B TOWNS.

Jaipalguri District.

75	Jalpaiguri	..	..	16	.4	..	..	4	.1	42	1.0	..	..
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Darjeeling District.

76	Darjeeling	..	..	3	.09	..	..	2	.06	20	.6	..	..
77	Kurseong	..	..	2	.2	..	.6	1	.09	10	.9	1	.09
78	Kalimpong	..	..	..	..	..	..	14	.8	13	.8	..	..
79	Siliguri	..	..	2	.06	1	.03	..	..	18	.6	..	..

Malda District.

80	English Bazar	..	..	..	..	..	..	2	.06	2	.06	1	.03
81	Old Malda	..	..	..	..	..	..	..	..	1	.2	..	..

Total of towns		..	..	1,369	.2	47	.008	264	.05	1,763	.3	189	.03
Total for the State		..	..	2,844	.1	319	.01	1,128	.05	31,510	1.3	602	.02



Serial No.	Districts.	Relapsing fever (Spirochætal).		Typhus fever.		Other fevers.		Deaths from child births.		Dysentery.		Diarrhoea.	
		Deaths.	Ratio.	Deaths.	Ratio.	Deaths.	Ratio.	Deaths.	Ratio.	Deaths.	Ratio.	Deaths.	Ratio.
B Towns.													
24-Parganas.													
46	North Barrackpore	..	..	..	..	10	.3	..	..	22	.7	6	.2
47	Barrackpore Cantt	..	..	..	..	174	4.1	4	13.7	19	.4	9	.2
48	Titagarh	..	..	..	..	933	13.0	7	4.4	2	.03	6	.08
49	Naihati	..	..	..	..	44	.8	7	17.1	26	.5	18	.3
50	Bhatpara	..	..	..	..	588	4.4	32	11.8	46	.3	16	.1
51	Halisahar	..	..	..	..	15	.4	..	..	5	.1	2	.06
52	Kanchrapara	..	..	..	..	11	.2	2	4.0	3	.05	1	.02
53	Baranagar	..	..	..	..	111	1.4	5	2.1	181	2.3	32	.4
54	Kamarhati	..	..	..	..	70	.9	6	4.4	55	.7	40	.5
55	Baraset	..	..	..	..	7	.4	..	..	4	.2	1	.06
56	Gobardanga	..	..	..	..	43	6.5	6	133.3	9	1.4	8	1.2
57	Basirhat	..	..	..	..	4	.1	5	12.0	4	.1	2	.06
58	Taki	..	..	..	..	9	.7	..	..	4	.3	1	.08
59	Baduria	..	..	..	..	..	..	1	8.2	2	.1	1	.06
60	City of Calcutta	..	..	1	.0004	1,220	.5	263	4.2	2,726	1.1	1,686	.7
Nadia District.													
61	Krishnagar	..	..	..	..	12	.2	15	10.7	19	.4	5	.1
62	Nabadwip	..	..	..	..	227	4.0	11	6.4	31	.5	15	.3
63	Ranaghat	..	..	..	..	3	.1	1	15.2	6	.2	5	.2
64	Birnagar	..	..	..	..	1	.3	..	..	2	.5	1	.3
65	Santipur	..	..	..	..	6	.1	1	1.2	3	.07	..	..
66	Chakdah	..	..	..	..	1	.01	3	15.6	8	.5	..	..

Murshidabad District.

67	Berhampur	..	..	..	..	136	21.4	2	1.3	41	.7	2	.04
68	Murshidabad	..	..	..	..	25	2.3	..	..	6	.5	..	..
69	Kandi	..	..	..	..	5	.3	..	..	3	.2	..	..
70	Jiaganj-Azinganj	..	..	..	..	11	.6	..	..	11	.6	3	.2
71	Jangipur	..	..	..	..	13	.7	4	9.5	5	.3	..	..
72	Dhulian	..	..	..	..	2	.1	1	2.9	7	.4	1	.06

West Dinajpur District.

73	Balurghat	..	..	..	..	5	.3	1	7.5	3	.2	1	.05
74	Raiganj	..	..	..	..	..	..	..	..	4	.3	2	.1

Jalpaiguri District.

75	Jalpaiguri	..	..	..	..	79	1.9	4	4.1	31	.7	14	.3
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Darjeeling District.

76	Darjeeling	..	..	2	.06	..	4.2	3	3.8	3	.09	2	.06
77	Kurseong	..	..	..	..	85	7.2	5	14.6	3	.3	2	.2
78	Kalimpong	..	..	..	..	49	2.9	4	9.7	21	1.3	9	.5
79	Siliguri	..	..	..	..	7	.2	5	21.9	4	.1	..	..

Malda District.

80	English Bazar	..	..	..	..	30	.9	7	12.3	1	.2	2	.06
81	Old Malda	..	..	..	..	1	.2	..	..	..	..	3	.7

Total of Towns

..	2	.0004	1	.0002	5,373	.9	577	5.1	4,788	.8	3,177	.6
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Total for the State

..	7	.0003	4	.0002	76,923	3.1	3,268	5.5	7,728	.3	8,420	.3
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Serial No.	Districts.	Pneumonia.		Tuberculosis of lungs.		Whooping cough.		Other respiratory diseases.		Deaths under one year.		Infant mortality rate.	
		Deaths.	Ratio.	Deaths.	Ratio.	Deaths.	Ratio.	Deaths.	Ratio.	Male.	Female.		Total.
B-Towns.													
46	North Barrackpore	..	..	6	.2	5	.2	..	..	7	10	17	58.4
47	Barrackpore Cantt.	..	..	11	.3	14	.3	..	..	50	30	80	283.7
48	Titagarh	..	..	3	.04	39	.5	..	..	114	45	159	105.2
49	Naihati	..	..	16	.3	39	.7	..	..	11	7	18	44.3
50	Bhatpara	..	..	27	.2	95	.7	1	.007	367	270	637	253.4
51	Halisahar	..	..	13	.4	9	.3	..	..	6	4	10	44.4
52	Kanchrapara	..	..	2	.03	5	.09	..	..	2	5	7	14.3
53	Baranagar	..	..	66	.8	51	.7	..	..	202	149	351	156.1
54	Kamarhati	..	..	63	.8	36	.5	1	.01	48	50	98	74.4
55	Baraset	..	..	4	.2	1	.06	..	..	8	2	10	65.8
56	Gobordanga	..	..	16	2.4	7	1.1	..	..	..	..	..	..
57	Basirhat	..	..	6	.2	5	.1	..	..	10	7	17	41.0
58	Taki	..	..	6	.5	2	.2	..	..	3	3	6	52.6
59	Baduria	..	..	3	.2	2	.1	..	..	5	1	6	49.2
60	City of Calcutta...	..	..	3,646	1.4	3,024	1.2	10	.004	5,844	5,043	10,887	182.5
Nadia District.													
61	Krishnagar	..	..	8	.2	24	.5	..	..	19	18	37	26.6
62	Nabadwip	..	..	12	.2	8	.1	..	..	23	20	43	26.1
63	Ranaghat	..	..	11	.4	4	.1	..	..	4	3	7	106.1
64	Birnagar	..	..	2	.5	..	..	..	..	..	..	..	..
65	Santipur	..	..	6	.1	13	.3	..	..	25	17	42	51.5
66	Chakdah	..	..	4	.3	..	.1	..	..	1	3	4	21.8

Murshidabad District.

67	Berhampur	..	..	17	.3	17	.3	2	.04	6	.1	38	24	62	40.3
68	Murshidabad	..	..	5	.5	7	.6	..	..	4	.4	9	3	12	38.8
69	Kandi	..	..	1	.07	4	.3	..	..	..	..	2	3	5	43.1
70	Jiaganj-Azimganj	..	..	6	.3	5	.3	1	.05	..	..	5	2	7	31.1
71	Jangipur	..	..	2	.1	2	.1	..	..	.05	..	8	4	12	28.4
72	Dhulian	..	..	3	.2	2	.1	..	..	..	..	3	..	3	8.6

West Dinalpur District.

73	Balurghat	..	..	3	.2	2	.1	..	..	1	.05	3	1	4	30.5
74	Raiganj	..	..	4	.3	..	..	..	..	..	..	..	..	..	..

Jalpaiguri District.

75	Jalpaiguri	..	..	14	.3	27	.6	..	..	12	.3	5	1	6	6.1
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Darjeeling District.

76	Darjeeling	..	..	15	.4	31	.9	1	.03	1	.03	38	31	69	89.1
77	Kurseong	..	..	33	2.8	35	3.0	1	.09	7	.6	21	23	44	139.2
78	Kalimpong	..	..	18	1.1	39	2.3	..	..	5	.3	15	17	32	81.0
79	Siliguri	..	..	..	..	7	.2	..	..	2	.06	5	2	7	30.7

Malda District.

80	English Bazar	..	..	5	.2	2	.06	..	..	3	.09	17	7	24	42.3
81	Old Malda	..	..	3	.7	1	.2	..	..	3	.7	1	2	3	58.8

Total of Towns		..	..	5,127	.9	4,504	.8	32	.006	4,816	.8	9,662	7,823	17,085	156.8
Total for the State		..	..	12,756	.5	8,420	.3	534	.02	8,601	.4	30,932	25,367	56,299	99.6



Annual Form No. VII—Deaths registered from Cholera in the districts of the State of West Bengal during each month of the year 1952.

Serial No.	Districts.	Villages including municipalities.		January.	February.	March.	April.	May.	June.	July.	August.
		Number in each district.	Number from which deaths from cholera were reported.								
1	Burdwan	..	..	22	20	83	68	20	9	14	59
2	Birbhum	..	..	..	10	17	7	5	1	8	1
3	Bankura	..	..	1	14	7	18	15	18	34	13
4	Midnapore	..	..	41	57	83	59	105	39	43	18
5	Hooghly	..	..	16	4	40	146	93	18	7	6
6	Howrah	..	..	22	70	158	216	146	89	95	53
7	24-Parganas	..	..	268	388	304	228	150	81	94	52
8	Calcutta	..	..	44	92	125	369	385	127	80	31
9	Nadia	..	..	3	1	19	89	16	1	..	..
10	Murshidabad	..	..	7	..	3	7	2	2	1	..
11	West Dinajpur	..	..	..	..	..	2	1	1	..	..
12	Jalpaiguri	..	..	..	..	..	..	..	..	..	..
13	Darjeeling	..	..	1	1	1	..	..	..	..	..
14	Malda	..	..	..	..	..	..	10	..	..	..
Total for the State ..		..	..	425	657	840	1,209	948	386	376	233

Serial No.	District.	Deaths				Total.			Ratio of deaths per 1,000 of population.			Mean ratio per 1,000 during five years (1947-51).
		September.	October.	November.	December.	Male.	Female.	Total.	Male.	Female.	Total.	
1	Burdwan	..	..	16	22	8	208	163	371	·2	·2	·6
2	Birbhum	..	..	1	4	20	37	37	74	·1	·1	·3
3	Bankura	..	..	2	7	..	70	69	139	·1	·1	·3
4	Midnapore	..	..	52	45	20	288	303	591	·2	·2	·4
5	Hooghly	..	..	24	4	17	190	186	376	·2	·3	·4
6	Howrah	..	..	38	62	43	473	538	1,011	·5	·7	1·1
7	24-Parganas	..	..	12	14	31	801	841	1,642	·3	·4	·8
8	Calcutta	..	..	15	25	13	696	624	1,320	·4	·7	1·1
9	Malda	..	..	..	31	25	83	102	185	·1	·2	·9
10	Murshidabad	..	..	45	138	95	137	164	301	·2	·2	·2
11	West Dinajpur	..	..	..	3	5	5	7	12	·01	·02	·4
12	Jalpaiguri	..	..	..	..	..	..	..	..	..	..	·1
13	Darjeeling	..	..	..	..	..	2	1	3	·01	·005	·04
14	Malda	..	..	10	7	5	19	13	32	·04	·03	·3
Total for the State		..	124	215	362	282	3,009	3,048	6,057	·2	·3	·6



**Annual From No. VIII—Deaths registered from Small-pox in the Districts of the State of West Bengal  
during each month of the year 1952.**

Serial No.	Districts.	Villages including municipalities.		January.	February.	March.	April.	May.	June.	July.	August.	Septem- ber.
		Number in each district.	Number from which deaths from small pox were reported.									
1	Burdwan	..	2,663	19	32	84	100	80	32	7	..	2
2	Birbhum	..	2,212	39	37	206	85	62	45	9	3	1
3	Bankura	..	3,530	18	32	46	33	59	10	2	4	1
4	Midnapore	..	10,528	20	37	33	26	24	5	2	..	..
5	Hooghly	..	1,917	3	20	25	26	13	1	4	..	..
6	Howrah	..	819	18	34	30	21	36	8	6	3	2
7	24-Parganas	..	3,879	78	102	195	202	156	101	46	27	16
8	Calcutta	..	1	34	23	50	41	17	3	4	3	2
9	Nadia	..	1,245	15	17	30	49	15	6	..	..	..
10	Murshidabad	..	1,907	64	48	92	146	125	49	13	3	2
11	West Dinajpur	..	2,306	26	22	17	32	36	3	1	4	..
12	Jalpaiguri	..	778	1	1	1	..	1	..	..	..	..
13	Darjeeling	..	609	..	3	..	..	..	..	..	..	..
14	Malda	..	1,579	23	19	31	9	9	5	..	..	..
Total for the State		..	33,973	358	427	840	770	633	268	94	47	26

Serial No.	Districts.	Total.			Number of deaths among children.			Ratio of deaths per 1,000 of population.			Mean ratio per 1,000 during five Years (1947-51).		
		October.	Novem- ber.	Decem- ber.	Male.	Female.	Total.	Under one year.	One year and under ten years.	Male.		Female.	Total.
1	Burdwan	..	..	2	179	179	358	1	4	.2	.2	.4	
2	Birbhum	..	2	7	260	236	496	32	83	.5	.4	.2	
3	Bankura	..	..	..	98	107	205	4	16	.1	.2	.3	
4	Midnapore	..	..	2	64	85	149	22	32	.04	.1	.1	
5	Hooghly	..	..	..	49	43	92	..	..	.1	.1	.3	
6	Howrah	..	..	..	78	80	158	..	..	.1	.1	.9	
7	24-Parganas	..	24	25	479	510	989	103	499	.2	.2	.2	
8	Calcutta	..	2	3	89	94	183	64	78	.1	.1	2.0	
9	Nadia	..	..	..	60	73	133	..	3	.1	.1	.7	
10	Murshidabad	..	13	5	287	278	565	..	..	.3	.3	.3	
11	West Dinajpur	..	..	..	63	78	141	6	38	.2	.2	.5	
12	Jalpaiguri	..	..	..	4	..	4	..	..	.01	..	.02	
13	Darjeeling	..	..	..	2	1	3	..	..	.01	.005	.1	
14	Malda	..	2	..	54	44	98	27	48	.1	.1	.5	
Total for the State		..	30	40	1,766	1,808	3,574	259	801	.1	.2	.5	



Annual Form No. IX. Deaths registered from fevers in the districts of the State of West Bengal during each month of the year 1952.

Serial No.	Districts.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.
1	Burdwan	..	902	937	825	786	691	648	920	875	1,053
2	Birbhum	..	639	882	774	654	674	626	747	780	737
3	Bankura	..	662	683	636	669	572	603	769	681	724
4	Midnapore	..	2,012	1,901	1,757	1,395	1,247	1,384	1,813	1,733	2,113
5	Hooghly	..	438	358	363	310	267	346	391	427	455
6	Howrah	..	215	239	169	249	194	137	276	231	239
7	24-Parganas	..	1,487	1,355	1,129	1,089	965	1,004	1,222	1,171	1,457
8	Calcutta	..	262	230	287	265	282	300	336	314	333
9	Nadia	..	535	487	598	452	374	434	471	526	729
10	Murshidabad	..	917	769	885	794	714	736	856	644	817
11	West Dinajpur	..	501	420	483	430	409	334	504	442	612
12	Jalpaiguri	..	433	293	485	494	472	432	478	474	499
13	Darjeeling	..	293	272	302	312	332	291	320	279	317
14	Malda	..	536	533	602	560	420	456	475	424	686
Total for the State		9,832	9,295	9,571	9,109	8,459	7,613	7,731	9,578	9,001	10,771



**Annual Form No. X—Deaths registered from Dysentery and Diarrhoea in the districts of the West Bengal State during each month of the year 1952.**

Serial No.	Districts.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.
1	Burdwan	83	76	70	70	69	41	54	69	66	59
2	Birbhum	8	12	16	11	6	10	5	6	9	3
3	Bankura	58	47	70	57	92	77	85	109	60	48
4	Midnapore	169	213	190	133	135	117	144	167	126	183
5	Hooghly	92	77	112	102	169	73	114	129	108	124
6	Howrah	267	229	182	156	156	138	213	254	216	210
7	24-Parganas	274	210	182	176	178	116	177	204	167	137
8	Calcutta	319	316	331	350	314	252	370	516	499	402
9	Nadia	10	7	12	18	19	10	12	19	13	8
10	Murshidabad	17	13	19	19	23	11	17	15	11	19
11	West Dinajpur	5	7	17	14	10	8	12	9	6	8
12	Jalpaiguri	29	53	72	72	83	109	114	99	121	108
13	Darjeeling	36	17	35	43	47	51	52	41	36	39
14	Malda	5	5	17	14	16	8	4	7	8	5
Total for the State		1,402	1,282	1,325	1,235	1,317	1,021	1,373	1,644	1,446	1,353



Serial No.	Districts.	Total.				Ratio of deaths per 1,000 of population.			Mean ratio per 1,000 during five years (1947-51).
		November.	December.	Male.	Female.	Total.	Male.	Female.	
1	Burdwan	74	76	412	395	807	.4	.4	.7
2	Birbhum	3	6	49	46	95	.1	.1	.2
3	Bankura	41	47	398	393	791	.6	.6	.7
4	Midnapore	162	180	1,013	906	1,919	.6	.5	1.2
5	Hooghly	110	97	637	670	1,307	.8	.9	1.5
6	Howrah	189	237	1,174	1,273	2,447	1.3	1.8	2.1
7	24-Parganas	209	170	1,181	1,019	2,200	.5	.5	.8
8	Calcutta	346	397	2,191	2,221	4,412	1.3	2.4	2.4
9	Nadia	17	23	93	75	168	.2	.1	.7
10	Murshidabad	33	27	130	94	224	.1	.1	.4
11	West Dinajpur	13	14	70	53	123	.2	.2	.5
12	Jalpaiguri	114	90	549	545	1,094	1.1	1.3	1.7
13	Darjeeling	26	36	228	231	459	.9	1.1	1.6
14	Malda	8	5	54	48	102	.1	.1	.2
Total for the State		1,345	1,405	8,179	7,969	16,148	.6	.7	1.1

Annual Form No. XI—Deaths registered from respiratory diseases in the districts of the State of West Bengal during each month of the year 1952.

Serial No.	Districts.	January.	February.	March.	April.	May.	June.	July.	August	September.	October.
1	Burdwan	..	..	190	207	180	152	129	149	132	171
2	Birbhum	..	..	21	24	47	39	23	32	40	29
3	Bankura	..	..	135	125	120	112	119	137	131	113
4	Midnapore	..	..	285	275	246	220	195	160	195	223
5	Hooghly	..	..	167	169	184	159	118	148	156	173
6	Howrah	..	..	323	293	232	206	230	229	249	261
7	24-Parganas	..	..	301	265	224	210	198	229	194	224
8	Calcutta	..	..	908	786	710	701	717	758	824	798
9	Nadia	..	..	28	31	36	34	19	20	36	33
10	Murshidabad	..	..	42	30	34	36	38	32	32	26
11	West Dinajpur	..	..	97	120	157	132	128	94	115	146
12	Jalpaiguri	..	..	188	214	237	276	240	318	257	231
13	Darjeeling	..	..	54	56	87	74	77	75	82	89
14	Malda	..	..	21	25	37	42	17	19	15	27
Total for the State		..	2,760	2,620	2,393	2,202	2,248	2,400	2,458	2,225	2,544

			Total.			Ratio of deaths per 1,000 of population.			
			November.	December.	Male.	Female.	Total.	Male.	
1	Burdwan	..	173	204	1,372	599	1,971	1.2	1.3
2	Birbhum	..	37	32	276	113	389	.5	.5
3	Bankura	..	122	110	1,061	428	1,489	1.6	1.2
4	Midnapore	..	236	250	1,825	785	2,610	1.0	1.2
5	Hooghly	..	194	222	1,368	627	1,995	1.6	1.8
6	Howrah	..	287	326	1,915	1,197	3,112	2.1	2.3
7	24-Parganas	..	247	295	1,860	946	2,806	.7	.9
8	Calcutta	..	864	1,117	5,169	4,390	9,559	3.2	4.7
9	Nadia	..	29	32	260	86	346	.4	.6
10	Murshidabad	..	31	35	291	81	372	.3	.3
11	West Dinajpur	..	142	205	929	567	1,496	2.4	2.8
12	Jalpaiguri	..	249	288	1,739	1,229	2,968	3.4	5.0
13	Darjeeling	..	72	83	462	433	895	1.9	3.0
14	Malda	..	21	27	227	76	303	.5	.4
Total for the State			2,704	3,226	18,754	11,557	30,311	1.4	1.6



Annual Form No. XII—Deaths registered from Plague in the districts of the State of West Bengal during each month of the year 1852.

Serial No.	Districts.	Villages including Municipalities.		January.	February.	March.	April.	May.	June.	July.	August.
		Number in each district.	No. from which deaths from plague were reported.								
1	Burdwan	..	2,663	..	..	..	..	..	..	..	..
2	Birbhum	..	2,212	..	..	..	..	..	..	..	..
3	Bankura	..	3,530	..	..	..	..	..	..	..	..
4	Midnapur	..	10,528	..	..	..	..	..	..	..	..
5	Hooghly	..	1,917	..	..	..	..	..	..	..	..
6	Howrah	..	819	..	..	..	..	..	..	..	..
7	24-Parganas	..	3,879	..	..	..	..	..	..	..	..
8	Calcutta	..	1	1	2	5	4	5	..	..	..
9	Nadia	..	1,245	..	..	..	..	..	..	..	..
10	Murshidabad	..	1,907	..	..	..	..	..	..	..	..
11	West Dinajpur	..	2,306	..	..	..	..	..	..	..	..
12	Jalpaiguri	..	778	..	..	..	..	..	..	..	..
13	Darjeeling	..	609	..	..	..	..	..	..	..	..
14	Malda	..	1,579	..	..	..	..	..	..	..	..
Total for the State		..	33,973	1	2	5	4	5	..	..	..

Serial No.	Districts.	Septem-ber.	October.	Novem-ber.	Decem-ber.	Total.			Ratio of deaths per 1,000 of population.			Mean ratio per 1,000 during five years (1947-1951).
						Male.	Female.	Total.	Male.	Female.	Total.	
1	Burdwan	..	..	..	..	..	..	..	..	..	..	..
2	Birbhum	..	..	..	..	..	..	..	..	..	..	..
3	Bankura	..	..	..	..	..	..	..	..	..	..	..
4	Midnapur	..	..	..	..	..	..	..	..	..	..	..
5	Hooghly	..	..	..	..	..	..	..	..	..	..	..
6	Howrah	..	..	..	..	..	..	..	..	..	..	·0007
7	24-Parganas	..	..	..	..	..	..	..	..	..	..	..
8	Calcutta	..	..	..	..	16	..	16	·01	..	·01	·007
9	Nadia	..	..	..	..	..	..	..	..	..	..	..
10	Murshidabad	..	..	..	..	..	..	..	..	..	..	..
11	West Dinajpur	..	..	..	..	..	..	..	..	..	..	..
12	Jalpaiguri	..	..	..	..	..	..	..	..	..	..	..
13	Darjeeling	..	..	..	..	..	..	..	..	..	..	..
14	Malda	..	..	..	..	..	..	..	..	..	..	..
Total for the State		..	..	..	..	16	..	16	·001	..	·001	·0008

# APPENDIX II.

## STATEMENT A

Showing the number of civil hospitals and dispensaries in the State of West Bengal during the year 1952.

Class of Civil Hospitals and Dispensaries.	Number open on 31st December previous year.		Number opened during the year.		Number closed during the year.		Number transferred to other department or class.		Number open on the last day of the year under reference.	
	Rural.	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.	Urban.
1	2	3	4	5	6	7	8	9	10	11
I. (i) State Public ..	..	..	7	..	..	..	..	..	..	7
(ii) State Managed ..	..	..	1	..	..	..	..	..	..	1
II. State Special—										
(i) Police ..	..	..	1	..	..	..	..	..	..	1
(ii) Jails.. ..	..	..	2	..	..	..	..	..	..	2
(iii) Railways ..	..	..	6	..	..	..	..	..	..	6
(iv) Others ..	..	..	2	..	..	..	..	..	..	2
III. Local and Municipal funds ..	..	..	30	..	..	..	..	..	..	30
IV. Private aided ..	..	..	12	1	..	..	..	..	..	13
V. Private non-aided ..	..	..	6	..	..	..	..	..	..	6
Total ..	..	..	67	1	..	..	..	..	..	68

Calcutta.



## Districts.

I. (i) State Public	..	..	..	..	..	..	..	..	31	9	31	9
(ii) State Managed	..	..	..	..	..	..	..	..	9	27	9	27
II. State Special—												
(i) Police	..	..	..	..	..	..	..	..	1	16	..	17
(ii) Jails	..	..	..	..	..	..	..	..	1	16	..	16
(iii) Railways	..	..	..	..	..	..	..	..	17	13	..	13
(iv) Others	..	..	..	..	..	..	..	..	12	2	..	2
III. Local and Municipal funds	..	..	..	..	..	..	..	..	507	49	..	49
IV. Private aided	..	..	..	..	..	..	..	..	37	13	..	13
V. Private non-aided	..	..	..	..	..	..	..	..	68	14	..	14
Total	..	..	..	..	..	..	..	..	683	159	..	160
Grand Total	..	..	..	..	..	..	..	..	683	226	..	228
Combined Total	..	..	..	..	..	..	..	..	909	8	..	917*

\*This excludes institutions of the following categories which were also functioning during the year 1952.

(i) Two A. G. Hospitals in Calcutta and 122 A. G. & F. R. E. Hospitals in the districts. (ii) One hundred and thirty one Thana and Union Health Centres in the districts.

# STATEMENT B

Showing the distribution of medical personnel in the State of West Bengal during the year 1952.

	State Head Quarters.											
	State Public.		State Special.		Local and Municipal fund.		Private aided.		Private non-aided.		Railways.	
	M	F	M	F	M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13
Assistant Surgeons or Medical Graduates	327	21	7	..	34	1	271	18	16	1	15	..
Sub-Assistant Surgeons or Medical Licentiates	12	4	14	..	13	12	78	5	2	..	42	..
Nurses—												
(a) Europeans or Anglo Indians	..	76	..	2	..	7	..	16	..	..	..	10
(b) Indians	78	457	14	43	3	32	14	427	..	7	..	30
Midwives	..	67	..	..	..	48	..	131	..	2	..	12
Dais	..	97	..	..	..	..	..	..	..	10	..	1
Compounders	72	2	9	..	56	1	37	..	5	..	54	..
Ministerial staff (clerks, etc.)	153	13	5	..	23	..	65	6	7	..	55	..
Other grade IV staff (Sweepers, Menials, etc.)	1,496	303	97	7	245	77	593	184	25	6	212	10

District Head Quarters and other urban areas.

	State Public.			State Special.		Local and Municipal		Private aided.		Private non-aided.		Railways.	
	M		F	M		M	F	M	F	M	F	M	F
Assistant Surgeons or Medical Graduates ..	14	30	15	16	9	18	19	20	21	22	23	24	25
Sub-Assistant Surgeons or Medical Licentiaies ..													
Nurses—													
(a) Europeans or Anglo Indians ..	..	..	..	..	..	..	..	..	..	..	..	..	..
(b) Indians ..	88	130		7	31	..	6	..	10	..	20	..	5
Midwives ..	..	..	11	..	..	..	2	..	2	..	14	..	..
Dais ..	..	..	5	..	..	..	..	..	2	..	..	..	..
Compounders ..	106	..	..	22	..	9	..	9	..	9	..	..	19
Ministerial staff (clerks, etc.) ..	55	..	..	..	..	..	..	1	..	1	..	1	..
Other grade IV staff (Sweepers, Menials, etc.) ..	356	11	..	30	12	8	..	3	7	1	11	1	1





## STATEMENT C

## STATEMENT C

Showing the number of indoor and outdoor patients treated in the State-public, Local Fund, Private-aided and Subsidised Dispensaries in West Bengal during the year 1952.

No.	Name of district and dispensary.	Of what class.	Total treated during the year.					In door patients.				Ratio of deaths per cent. to total treated.	Number of beds available	
			Men.	Women.	Children.	Total.	Number cured.	Number relieved.	Discharged otherwise.	Died.	Men.		Women.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
A—Genegal Dispensaries.														
Calcutta.														
1	Medical College Hospital	I	8,700	16,044	10,525	35,269	26,627	3,427	1,892	2,139	6.06	418	428	
2	Presidency General Hospital	I	2,273	918	387	3,578	2,322	532	528	196	5.5	166	80	
3	Nilratan Sarker Hospital	I	12,489	14,097	7,976	34,562	27,499	2,530	1,320	3,213	9.3	505	207	
4	Lake Medical College Hospital	I	384	542	322	1,248	852	135	197	64	4.32	135	107	
5	Government T. B. Hospital, Beliaghata.	I	84	64	..	148	..	..	23	22	14.8	50	50	
6	Manasatala Hospital	III	228	..	..	228	112	51	56	9	4.0	20	..	
7	Tallah Dispensary	III	..	..	..	..	..	..	..	..	..	..	..	
8	Taltala	III	..	..	..	..	..	..	..	..	..	..	..	
9	Narkeldanga Calcutta Corporation Dispensary	III	..	..	..	..	..	..	..	..	..	..	..	
10	Hatibagan	III	..	..	..	..	..	..	..	..	..	..	..	
11	Tangra	III	..	..	..	..	..	..	..	..	..	..	..	
12	Central	III	..	..	..	..	..	..	..	..	..	..	..	
13	Alipore Calcutta Corporation	III	..	..	..	..	..	..	..	..	..	..	..	
14	R. C. Goenka	III	..	..	..	..	..	..	..	..	..	..	..	
15	Kidderpore	III	..	..	..	..	..	..	..	..	..	..	..	



16	Gobra Charitable Dispensary	..	III	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17	Bhowanipur Dispensary	..	III	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
18	Baithakkhana Dispensary	..	III	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
19	R. G. Kar Hospital	..	IV	4,756	5,995	1,191	11,942	7,593	2,102	851	989	8.28	294	262					
20	CarmichaelHospital for Tropical Diseases.	..	IV	909	315	123	1,347	853	363	95	36	2.67	84	28					
21	Mayo Hospital	..	IV	1,647	371	158	2,176	1,339	457	273	107	4.9	114	36					
22	Chittaranjan Hospital	..	IV	3,124	2,393	1,300	6,817	6,150	207	69	391	17.4	155	167					
23	C. M. S. Hospital	..	IV	2,033	1,640	416	4,089	2,506	814	543	226	5.52	153	143					
24	Islamia Hospital	..	IV	947	249	71	1,267	1,092	97	78	80	6.20	43	12					
25	Premnananda Leper Dispensary (Maniktala)	..	IV	..	..	..	..	..	..	..	..	..	..	..					
26	Premnananda Leper Dispensary (Kalighat)	..	IV	..	..	..	..	..	..	..	..	..	..	..					
27	Chitpore Dispensary	..	IV	..	..	..	..	..	..	..	..	..	..	..					
28	Chandney Dispensary	..	IV	..	..	..	..	..	..	..	..	..	..	..					

B—Female Dispensaries.

29	Lady Duff. Victoria Hospital	..	S.M.	..	6,783	4,567	11,350	9,223	1,084	708	335	3.31	..	..					
30	Baldeo Das Maternity Home	..	III	..	5,993	5,543	11,536	11,244	170	8	114	10.0	..	50					
31	Maiktala Maternity Home	..	III	..	3,914	3,517	7,431	7,105	270	..	56	7.5	..	28					
32	Kidderpore Maternity Home	..	III	..	2,043	1,472	3,515	3,442	..	..	73	2.08	..	24					
33	Chittaranjan Seva Sadan	..	IV	..	11,714	666	12,380	9,228	2,084	804	264	..	..	..					
34	R. K. Mission Sishumangal Prastisthan.	..	IV	..	5,090	3,877	8,967	..	..	..	160	1.89	..	150					

..	Total	..	..	37,574	78,165	42,111	157,850	117,187	14,323	7,445	8,474	5.4	2,137	1,772					
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No.	Name of district and dispensary.	Of what class.	Indoor patients.					Out-door patients.										Total number of patients treated both in-door and out-door.
			Daily average number.					Number treated.					Average daily attendance.					
			Men. Women. Children. Total.					Men. Women. Children. Total.					Men. Women. Children. Total.					
			Men.	Women.	Children.	Total.		Men.	Women.	Children.	Total.	Men.	Women.	Children.	Total.			
1	2	3	15	16	17	18	19	20	21	22	23	24	25	26	27			
A—General Dispensaries.																		
Calcutta.																		
1	Medical College Hospital	..	I	449.46	368.25	221.70	1,039.41	161,848	97,313	36,753	295,914	1,202.82	751.69	266.94	2,221.45	331,183		
2	Presidency General Hospital		I	142.00	61.00	22.00	225.00	5,872	3,029	2,021	10,922	32.00	13.00	10.00	55.00	14,500		
3	Niratan Sarker Hospital	..	I	335.00	365.00	142.00	.842.00	60,969	36,704	13,982	111,655	212.00	103.00	42.00	357.00	146,217		
4	Lake Medical College Hospital		I	3.19	4.47	2.66	10.32	1,148	1,492	327	2,967	11.36	14.78	3.23	29.37	4,215		
5	Government T. B. Hospital, Beliaghata.		I	49.00	48.00	..	97.00	..	..	..	..	..	..	..	..	148		
6	Manasatala Hospital	..	III	10.90	..	..	10.90	..	..	..	..	..	..	..	..	228		
7	Tallah Dispensary	..	III	..	..	..	..	3,481	572	933	4,986	23.37	5.05	8.97	37.39	4,986		
8	Taltala Dispensary	..	III	..	..	..	..	6,883	5,245	4,224	16,352	23.08	17.48	14.28	54.84	16,352		
9	Narkeldanga Calcutta Corporation, Dispensary		III	..	..	..	..	5,226	7,050	5,937	18,213	60.00	65.00	53.00	178.00	18,213		
10	Hatibagan Dispensry	..	III	..	..	..	..	5,225	3,845	2,019	11,089	43.20	31.40	21.30	95.90	11,089		
11	Tangra Dispensary	..	III	..	..	..	..	6,321	8,189	4,038	18,548	49.80	63.40	27.20	140.40	18,548		
12	Central Dispensary	..	III	..	..	..	..	9,053	325	675	10,053	55.10	2.10	4.40	61.60	10,053		
13	Alipore Calcutta Corporation Dispensary		III	..	..	..	..	3,075	2,195	966	6,236	26.40	16.50	8.40	51.30	6,236		
14	R. C. Goenka Dispensary	..	III	..	..	..	..	6,527	5,977	5,407	17,911	49.00	45.60	39.90	134.50	17,911		
15	Kidderpore Dispensary	..	III	..	..	..	..	19,068	12,771	24,340	56,179	160.90	119.30	201.00	481.20	56,179		
16	Gobra Charitable Dispensary	..	III	..	..	..	..	5,142	5,402	6,915	17,459	37.15	39.06	49.14	125.35	17,459		
17	Bhowanipur Dispensary	..	III	..	..	..	..	3,443	2,644	4,033	10,120	12.00	8.70	13.27	33.97	10,120		
18	Baithakkhana Dispensary	..	III	..	..	..	..	3,646	5,064	1,946	10,656	45.66	56.04	21.85	123.55	10,656		
19	R. G. Kar Hospital	..	IV	200.70	252.00	50.20	502.90	54,785	38,186	27,984	120,955	259.74	184.06	142.26	586.06	132,897		

20	Carmichael Hospital for Tropical Diseases.	IV	71·73	26·80	9·25	107·78	20,930	8,676	6,935	36,541	245·69	104·00	52·65	402·34	37,888
21	Mayo Hospital	IV	87·00	20·30	10·40	117·70	20,554	6,350	2,435	29,039	102·80	28·90	11·00	142·70	31,215
22	Chittaranjan Hospital	IV	115·00	114·00	9·00	238·00	15,159	11,321	6,741	33,221	169·00	152·00	62·00	383·00	40,038
23	C. M. S. Hospital	IV	112·25	89·06	9·24	210·55	12,274	11,051	4,463	27,788	87·43	79·71	31·79	198·93	31,877
24	Islamia Hosplal	IV	2·60	0·70	0·10	3·40	83,808	27,216	15,367	126,391	236·70	85·30	43·40	365·40	127,658
25	Premananda Leper, Dispensary Manicktala	IV	..	..	..	..	3,103	546	395	4,044	..	..	..	..	4,044
26	Premananda Leper, Dispensary Kalighat	IV	..	..	..	..	1,330	151	101	1,582	..	..	..	..	1,582
27	Chitpore Dispensary	IV	..	..	..	..	3,989	2,673	2,802	9,464	30·30	26·70	28·80	85·80	9,464
28	Chadney Dispensary	IV	..	..	..	..	9,745	1,732	91	15,268	70·85	14·03	28·44	113·32	15,268
B—Female Dispensaries.															
29	Lady Duff. Victoria Hospital	S.M.	..	156·00	80·50	236·50	..	22,778	2,112	24,890	..	161·00	11·50	172·50	36,240
30	Baldeo Das Maternity Home	III	..	16·50	15·20	31·70	..	9,516	408	9,924	..	69·60	1·60	71·20	21,460
31	Maniktala Maternity Home	III	..	10·70	9·60	20·30	..	..	..	..	..	..	..	..	7,431
32	Kidderpore Maternity Home	III	..	27·90	20·00	47·90	..	5,522	..	5,522	..	87·70	..	87·70	9,037
33	Chittaranjan Seva Sadan	IV	..	..	..	..	..	65,081	13,964	79,045	..	..	..	..	91,625
34	R. K. Mission Sishumangal Prastisthan.	IV	..	100·80	61·00	161·80	..	9,462	1,013	10,475	..	74·90	54·90	129·80	19,442
Total			1,578·83	1,661·48	662·85	3,903·16	532,604	418,078	202,727	1,153,409	3,246·35	2,420·00	1,253·22	6,919·57	1,311,259







No.	Name of district and dispensary. Of what class.	Indoor patients.					Out-door patients.					Total number of patients treated both in-door and out-door.
		Daily average number.				Number treated. Total treated.	Average daily attendance.					
		Men.	Women.	Children.	Total.		Men.	Women.	Children.	Total.		

1		3	15	16	17	18	19	20	21	22	23	24	25	26	27	
35	L. M. Hospital	..	I	14.0	11.4	4.7	30.1	7,520	2,712	2,368	12,600	44.4	18.7	16.6	79.7	14,211
36	Kalna Hospital	..	I	7.7	10.0	5.3	23.0	4,827	3,227	2,401	10,455	24.6	18.0	13.5	56.1	11,573
37	Katwa Hospital	..	I	8.6	12.9	4.5	26.0	6,813	3,884	3,756	14,453	45.9	31.2	27.2	104.3	15,875
38	Adra	..	III	..	..	..	..	3,625	2,335	2,286	8,246	33.6	21.6	20.3	75.5	8,246
39	Khandaghose	..	III	..	..	..	..	2,654	1,784	2,224	6,662	8.6	5.7	7.2	21.5	6,662
40	Gopinathpur	..	III	..	..	..	..	1,228	850	936	3,014	8.7	6.0	7.3	22.0	3,014
41	Keshabpur	..	III	..	..	..	..	468	344	362	1,174	2.4	1.9	2.1	6.4	1,174
42	Meral	..	III	..	..	..	..	2,839	2,197	2,071	7,107	22.9	17.5	16.0	56.4	7,107
43	Panchra	..	III	..	..	..	..	3,516	2,581	3,514	9,611	31.8	23.2	23.2	78.2	9,611
44	Amarpur	..	III	..	..	..	..	686	483	1,158	2,327	6.2	4.3	12.2	22.7	2,327
45	Nandipur	..	III	..	..	..	..	879	651	635	2,165	7.4	6.2	6.4	20.0	2,165
46	Kaleswar	..	III	..	..	..	..	923	754	771	2,448	7.1	5.0	5.3	17.4	2,448
47	Ghosh	..	III	..	..	..	..	1,811	1,145	1,046	4,002	18.6	11.2	9.5	39.3	4,002
48	Palla	..	III	..	..	..	..	1,873	1,789	2,538	6,200	16.9	16.3	22.6	55.8	6,200
49	Satgachia	..	III	..	..	..	..	2,921	1,837	2,027	6,785	20.9	13.9	13.7	48.5	6,785
50	Bhatar	..	III	..	..	..	..	1,421	830	1,214	3,465	4.6	2.7	3.9	11.2	3,465
51	Mahati	..	III	..	..	..	..	971	668	762	2,401	12.4	7.9	9.6	29.9	2,401
52	Ausgram	..	III	..	..	..	..	1,507	1,107	888	3,502	13.5	10.9	8.1	32.5	3,502
53	Raniganj Municipal	..	III	3.5	0.5	.1	4.1	2,307	830	776	3,913	13.2	5.7	4.2	23.1	4,071
54	Kanksa	..	III	..	..	..	..	3,656	2,822	3,338	9,816	25.7	21.6	28.0	75.3	9,816
55	Molandighi Charitable	..	III	..	..	..	..	1,287	906	858	3,051	9.7	7.5	7.5	24.7	3,051

A.—General Dispensaries.

Burdwan.



56	Nandi Charitable	..	III	..	..	..	..	..	856	488	471	1,815	7.5	4.2	3.4	15.1	1,815
57	Neamatpur Charitable	..	III	..	..	..	..	861	613	613	249	1,723	7.5	5.1	2.3	14.9	1,723
58	Chagram Charitable	..	III	..	..	..	..	1,152	836	836	845	2,833	3.7	2.7	2.7	9.1	2,833
59	Sultanpur Charitable	..	III	..	..	..	..	2,616	1,862	1,862	2,291	6,769	7.1	5.1	6.2	18.4	6,769
60	Anukhal Charitalble	..	III	..	..	..	..	1,045	736	736	761	2,542	3.4	2.4	2.5	8.3	2,542
61	Angerson Chraritable	..	III	..	..	..	..	2,605	2,358	2,358	1,920	6,883	17.4	17.2	13.2	47.8	6,883
62	Baradhamesh Charitable	..	III	..	..	..	..	471	345	345	426	1,242	3.2	2.6	3.4	9.2	1,242
63	Krishnadebpur Charitable	..	III	..	..	..	..	383	250	250	528	1,161	1.2	.8	1.7	3.7	1,161
64	Modhupur Charitable	..	III	..	..	..	..	4,334	3,243	3,243	4,546	12,123	13.9	10.4	14.6	38.9	12,123
65	Mertala Charitable	..	III	..	..	..	..	1,125	756	756	752	2,633	12.1	8.2	8.1	28.4	2,633
66	Patuli Charitable	..	III	..	..	..	..	812	407	407	227	1,446	2.2	1.1	.6	3.9	1,446
67	Monteswar Chairitable	..	III	..	..	..	..	722	296	296	427	1,445	2.3	.9	1.3	4.5	1,445
68	Kaigram Charitable	..	III	..	..	..	..	598	277	277	271	1,146	1.6	.7	.7	3.0	1,146
69	Jamna Charitable	..	III	..	..	..	..	1,164	792	792	838	2,794	9.6	5.1	4.9	19.6	2,794
70	Patsuri Charitable	..	III	..	..	..	..	268	106	106	87	461	.8	.2	.2	1.2	461
71	Singhi Charitable	..	III	..	..	..	..	625	210	210	165	1,000	2.0	.7	.5	3.2	1,000
72	Srikhanda Charitable	..	III	..	..	..	..	1,062	618	618	680	2,360	13.5	8.6	8.6	30.7	2,360
73	Gidhagram Charitable	..	III	..	..	..	..	97	22	22	64	183	.2	.0	.1	.3	183
74	Kashigram Charitable	..	III	..	..	..	..	253	171	171	227	651	9.5	5.5	5.3	20.3	651
75	Ketugram Charitable	..	III	..	..	..	..	741	354	354	327	1,422	8.0	3.4	3.0	14.4	1,422
76	Ankhona Charitable	..	III	..	..	..	..	83	35	35	35	153	1.8	.7	.4	2.9	153
77	Mangram Charitable	..	III	..	..	..	..	420	180	180	141	741	7.0	3.0	2.0	12.0	741
78	Rajoor Charitable	..	III	..	..	..	..	735	109	109	155	999	5.8	2.1	.5	8.4	999
79	Khanda Charitable	..	III	..	..	..	..	545	230	230	211	986	6.6	2.9	2.5	12.0	986
80	Mongolkote Charitable	..	III	..	..	..	..	1,500	901	901	750	3,151	12.9	10.2	8.5	31.6	3,151
81	Kashemnagar Charitable	..	III	..	..	..	..	872	749	749	853	2,474	9.8	8.0	8.9	26.7	2,474
82	Kaichar Charitable	..	III	..	..	..	..	265	62	62	67	394	.9	.2	.2	1.3	394
83	Rajan Charitable	..	U.B.	..	..	..	..	281	267	267	646	1,194	1.9	1.8	2.3	6.0	1,19
84	Khetia Charitable	..	U.B.	..	..	..	..	1,287	842	842	1,231	3,360	3.6	2.3	3.4	9.3	3,360
85	Rasulpur Charitable	..	U.B.	..	..	..	..	1,469	933	933	1,305	3,707	8.1	5.3	7.7	21.1	3,707







No.	Name of district and dispensary. Of what class.	Indoor patients.										Out-door patients.					Total number of patients treated both in-door and out-door.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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A.—General Dispensaries

*Birbhum.*

93	Hasan Purna Charitable	..	IIIB	..	..	..	826	461	557	1,844	3	1	2	6	1,844		
94	Barla	..	IIIB	..	..	..	110	90	147	347	2	2	2	6	347		
95	Chahata U. B.	..	IIIB	..	..	..	299	175	126	600	1	1	..	2	600		

96	Abinashpur	..	IIIB	..	..	..	862	256	297	1,415	5	2	2	9	1,415	
97	Chella	..	IIIB	..	..	..	776	518	625	1,919	5	4	5	14	1,919	
98	Satone Kasba	..	IIIB	..	..	..	489	359	280	1,128	2	1	1	4	1,128	
99	Muhammad Bazar	..	IIIB	..	..	..	1,069	668	878	2,615	6	4	5	15	2,615	
100	Bolpur	..	IIIB	..2	1.4	1.2	2.8	784	325	1,565	8	5	3	16	1,621	
101	Purandurpur	..	IIIB	..	..	..	692	448	497	1,637	4	2	3	9	1,637	
102	Illambazar	..	IIIB	..	..	..	3,152	2,848	2,084	8,084	36	32	22	90	8,084	
103	Kundola	..	IIIB	..	..	..	832	448	437	1,717	3	2	2	7	1,717	
104	Bhabanipur L. M.	..	IIIB	..	..	..	380	193	249	822	2	1	2	5	822	
105	Sonarkunda	..	IIIB	..	..	..	1,138	739	792	2,669	7	5	4	16	2,669	
106	Nanoor	..	III	..	..	..	1,599	1,002	895	3,496	13	9	8	30	3,496	
107	Nalhati Charitable	..	III	..	..	..	1,488	656	889	3,033	12	6	7	25	3,033	
108	Loharpur	..	III	..	..	..	512	137	161	810	5	1	1	7	810	
109	Mayureswar	..	III	..	..	..	703	152	79	934	3	2	1	6	934	
110	Lokepara	..	U.B.	..	..	..	615	416	439	1,470	8	6	8	22	1,470	
111	Henglow and Kapurta	..	U.B.	..	..	..	433	285	429	1,147	3	2	2	7	1,147	
112	Palsa	..	IV	..	..	..	1,006	416	605	2,027	3	1	2	6	2,027	
<hr/>																
Total		..	..	..2	1.4	1.2	2.8	17,765	10,723	10,791	39,279	131	89	82	302	39,335





133 Ramkrishna Mission Charitable IV .. .. . 133

134 Ramkrishna Mission Charitable IV .. .. . 134

135 Ramkrishna Mission Charitable IV 96 77 66 239 155 63 12 9 4 5

136 Tilmi C. S. Charitable .. IV .. .. . 136

137 Mailara Charitable .. IV .. .. . 137

138 Sarenga Santal Mission Hospital. IV 563 528 298 1,389 1,192 19 39 29 20

139 Gangajalghati .. IV .. .. . 139

140 Bankura Smmilani Medical School Hospital. IV 747 393 97 1,237 941 125 62 60 80 59

141 Deopara N. C. Kolay Charitable IV .. .. . 141

142 Sanbanda U. B. Charitable .. U.B. .. .. . 142

143 Ajodhya U. B. Charitable .. U.B. .. .. . 143

144 Kadamara U. B. Charitable .. U.B. .. .. . 144

145 Salda Joint U. B. .. U.B. .. .. . 145

146 Ranibandh Charitable .. U.B. .. .. . 146

147 Shashpur U. B. Chairtable .. U.B. .. .. . 147

148 Pakhuna J. C. Charitable .. Vill. .. .. . 148

149 Kedarnath Giribala Sevasram IV .. 5 5 .. .. 7

Total	..	2,235	1,685	833	4,753	3,285	533	328	247	489.5	147	117
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A—General Dispensaries.

Midnapore.

150 Jhargram State-managed Hos- I 409 309 189 907 740 54 50 41 12 8

151 Tamluk Subdivisional State- I 376 224 98 698 435 151 65 19 16 14

152 Contai Subdivisional State- I 419 257 81 757 507 183 37 30 19 11

No.	Name of district and dispensary. Of what class.	Indoor patients.					Out-door patients.					Total number of patients treated both in-door and out-door.				
		Daily average number.					Average daily attendance.									
		Total.					Total.									
		Men.	Women.	Children.	Total.	Men.	Women.	Children.	Total.							
1	2	3	15	16	17	18	19	20	21	22	23	24	25	26	27	
A.—General Dispensaries.																
Bankura.																
113	State managed Hospital	..	I	18.00	10.00	4.00	32.00	6,256	4,413	2,759	13,428	38.00	30.00	13.00	81.00	14,592
114	Vishnupur Subdivisional State managed Hospital.	State	I	8.30	5.50	1.80	15.60	6,512	4,027	2,906	13,445	32.30	19.90	13.40	65.60	13,928
115	Gouripur Leprosy Colony	..	I	..	..	..	..	507	181	6	694	..	..	..	..	930
116	Tajpur M. N. Charitable	..	III	..	..	..	..	502	336	443	1,281	13.20	10.40	15.60	39.20	1,281
117	Saltora D. B. Charitable	..	III	..	..	..	..	1,749	1,565	1,540	4,854	13.70	9.90	13.50	37.10	4,854
118	Fulkusma Charitable	..	III	..	..	..	..	1,252	662	694	2,608	15.40	8.70	7.70	31.80	2,608
119	Onda Charitable	..	IIIB	..	..	..	..	901	395	505	1,801	7.70	3.60	4.70	16.00	1,801
120	Indpur Charitable	..	IIIB	..	..	..	..	1,287	644	554	2,485	4.10	2.10	1.80	8.00	2,485
121	Ramdiha Charitable	..	IIIB	..	..	..	..	1,366	819	725	2,910	4.40	2.60	2.30	9.30	2,910
122	Barjora G. B. Charitable	..	IIIB	..	..	..	..	549	251	217	1,017	1.90	.90	.70	3.50	1,017
123	Khatra D. B. Charitable	..	IIIB	..	..	..	..	3,567	1,876	1,791	7,234	11.40	6.00	5.80	23.20	7,234
124	Saluni Charitable	..	IIIB	..	..	..	..	436	211	160	807	..	..	..	..	807
125	Ramsagar B. D. Hazra Charitable.	Charita-	IIIB	..	..	..	..	367	169	219	755	1.20	.60	.70	2.50	755
126	Indas Charitable	..	IIIB	..	..	..	..	2,002	1,327	1,006	4,335	19.30	13.00	9.90	42.20	4,335
127	Patrasayar Charitable	..	IIIB	..	..	..	..	3,480	2,155	2,224	7,859	27.20	19.20	22.10	68.50	7,859
128	Kuchiakal J. N. Charitable	..	IIIB	..	..	..	..	1,078	461	390	1,929	7.00	3.30	2.70	13.00	1,929
129	Simlapal Charitable	..	IIIB	..	..	..	..	1,912	1,118	1,574	4,604	14.40	8.80	12.70	35.90	4,604
130	Ratanpur Charitable	..	IIIB	..	..	..	..	911	232	287	1,430	4.80	2.30	2.70	9.80	1,430
131	Naldanga Charitable	..	IIIB	..	..	..	..	520	333	486	1,339	5.50	3.90	5.80	15.20	1,339
132	Jayrambati Ramkrishna Mission Sarada Charitable.	Mission	IV	..	..	..	..	2,139	1,859	1,555	5,553	15.60	15.50	14.00	45.10	5,553

229

133	Ramkrishna Mission Charitable, (Doletoia Branch).	IV	..	..	..	521	833	611	1,965	4.30	7.80	5.20	17.30	1,965	
134	Ramkrishna Mission Charitable (Ramharipur Branch.)	IV	..	..	..	1,221	1,372	1,928	4,521	14.80	20.60	27.50	62.90	4,521	
135	Ramkrishna Mission Charitable Bankura.	IV	2.30	1.70	1.40	7,453	6,425	4,610	18,488	68.80	58.50	48.40	175.70	18,727	
136	Tilmi C. S. Charitable	IV	..	..	..	1,351	1,143	678	3,172	5.00	3.00	1.00	9.00	3,172	
137	Maliara Charitable	IV	..	..	..	858	444	485	1,787	2.90	1.50	1.60	6.00	1,787	
138	Sarenga Santal Mission Hospital	IV	27.00	20.00	11.00	5,541	3,336	2,319	11,196	38.00	23.00	12.00	73.00	12,585	
139	Gangajalghati	IV	..	..	..	780	455	207	1,442	..	..	..	..	1,442	
140	Bankura Smmilani Medical School Hospital.	IV	35.00	18.00	5.00	2,632	1,357	715	4,704	10.00	6.00	3.00	19.00	5,941	
141	Deopara N. C. Kolay Charitable	IV	..	..	..	3,014	2,855	1,647	7,516	8.30	7.80	4.50	20.60	7,516	
142	Sanbanda U. B. Chairtable	U.B.	..	..	..	324	287	268	879	..	..	..	..	879	
143	Ajodhya U. B. Charitable	U.B.	..	..	..	681	387	327	1,395	..	..	..	..	1,395	
144	Kadamara U. B. Charitable	U.B.	..	..	..	244	113	143	500	2.80	1.50	1.30	5.60	500	
145	Salda Joint U. B.	U.B.	..	..	..	632	381	152	1,156	3.80	2.50	.90	7.20	1,156	
146	Ranibandh Charitable	U.B.	..	..	..	1,485	915	483	2,883	4.90	3.00	1.60	9.50	2,883	
147	Shashpur U. B. Charitable	U.B.	..	..	..	61	44	34	139	.20	.10	.10	.40	139	
148	Pakhuna J. C. Charitable	VIII	..	..	..	658	452	562	1,672	2.10	1.40	1.80	5.30	1,672	
B—Female Dispensaries.															
149	Kedarnath Giribala Se vasram	IV	..	.02	..	1,532	1,144	1,405	4,081	12.30	9.90	11.60	33.80	4,086	
Total			..	90.60	55.22	23.20	169.02	66,272	44,977	36,615	147,864	415.30	307.30	269.60	152,617
A—General Dispensaries.															
Midnapore.															
150	Jhargram State-managed Hos- pital.	I	8.8	5.2	2.8	16.8	3,202	1,605	11,071	31.40	16.80	8.90	57.10	11,978	
151	Tamluk Subdivisional State- managed Hospital.	I	11.14	8.40	2.19	21.73	2,143	2,068	9,253	22.36	10.40	9.10	41.86	9,951	
152	Contai Subdivisional State- managed Hospital.	I	13.70	8.02	3.04	24.76	2,238	1,357	8,047	29.55	12.90	7.27	49.72	8,804	



No.	Name of district and dispensaries.	Of what class.	Total treated during the year.							Indoor patients.					Ratio of deaths per cent. to total treated.	Number of beds available.			
			Men.	Women.	Children.	Total.	Number cured.	Number relieved.	Discharged otherwise.	Died.	Men.		Women.						
1	2	3	4	5	6	7	8	9	10	11	12	13	14						
153	Ghatal State-managed Hospital	I	116	153	107	376	278	32	46	..	..	..	7	4					
154	Sadar Provincialised Hospital..	I	989	1,074	593	2,656	1,621	530	269	160	6.02	49	32						
155	Kharar Charitable	IIIB	..	..	..	..	..	..	..	..	..	..	..	..					
156	Garbeta D. B. ..	IIIB	..	..	..	..	..	..	..	..	..	..	2	2					
157	Achyutanuj Charitable	IIIB	..	..	..	..	..	..	..	..	..	..	..	..					
158	Bhitpur D. B. ..	IIIB	..	..	..	..	..	..	..	..	..	..	..	..					
159	Sonakhali D. B. ..	IIIB	..	..	..	..	..	..	..	..	..	..	..	..					
160	Sahaspur	IIIB	..	..	..	..	..	..	..	..	..	..	..	..					
161	Rohini D. B. ..	IIIB	..	..	..	..	..	..	..	..	..	..	..	..					
162	Ramnagar D. B.	IIIB	..	..	..	..	..	..	..	..	..	..	..	..					
163	Protappur Charitable	IIIB	..	..	..	..	..	..	..	..	..	..	..	..					
164	Pingla Charitable ..	IIIB	..	..	..	..	..	..	..	..	..	..	..	..					
165	Nischindipur D. B.	IIIB	..	..	..	..	..	..	..	..	..	..	..	..					
166	Narayangarh Charitable	IIIB	..	..	..	..	..	..	..	..	..	..	..	..					
167	Mayna Charitable	IIIB	..	..	..	..	..	..	..	..	..	..	..	..					
168	Keshiary D. B. ..	IIIB	..	..	..	..	..	..	..	..	..	..	..	..					
169	Kelomal D. B. Charitable	IIIB	11	1	2	14	8	6	..	..	..	..	2	2					
170	Janka D. B. ..	IIIB	..	..	..	..	..	..	..	..	..	..	..	..					
171	Irphala Charitable	IIIB	..	..	..	..	..	..	..	..	..	..	..	..					
172	Geonkhali D. B. ..	IIIB	..	..	..	..	..	..	..	..	..	..	..	..					
173	Egra D. B' ..	IIIB	..	..	..	..	..	..	..	..	..	..	..	..					
174	Daspur Charitable..	IIIB	..	..	..	..	..	..	..	..	..	..	..	..					



No.	Name of district and dispensary.	Of what class.	Indoor patients.					Outdoor patients.										Total number of patients treated both indoor and outdoor.
			Daily average number.					Number treated.					Average daily attendance.					
			Total.					Total treated.					Total.					
			Men.	Women.	Children	Total.		Men.	Women.	Children.	Total.	Men.	Women.	Children.	Total.			
1	2	3	15	16	17	18	19	20	21	22	23	24	25	26	27			
153	Ghatal State-managed Hospital	I	4·88	4·41	2·46	11·75	5,076	2,711	3,002	10,789	25·86	16·46	20·60	62·92	11,165			
154	Sadar Provincialised Hospital..	I	36·19	21·51	12·69	70·39	20,523	14,580	8,859	43,962	90·34	75·24	38·12	203·70	46,618			
155	Kharar Charitable..	III B.	..	..	..	..	1,398	806	737	2,941	3·83	2·70	2·00	8·53	2,941			
156	Garbeta D. B.	..	..	..	..	..	1,570	805	915	3,290	7·80	4·50	4·90	17·20	3,290			
157	Achyutanuj Ch.	..	..	..	..	..	792	849	1,224	2,865	..	..	..	..	2,865			
158	Uchitpur D. B.	..	..	..	..	..	1,397	993	772	3,162	4·40	3·10	2·40	9·90	3,162			
159	Sonakhali D. B.	..	..	..	..	..	950	592	519	2,061	7·50	5·59	4·16	17·25	2,061			
160	Sahaspar	..	..	..	..	..	1,798	1,194	907	3,899	9·70	6·60	5·20	21·50	3,899			
161	Rohini D. B.	..	..	..	..	..	3,204	2,158	3,553	8,915	18·40	9·99	15·00	43·39	8,915			
162	Ramnagar D. B.	..	..	..	..	..	3,480	1,752	1,720	6,952	21·52	11·69	10·48	43·69	16,952			
163	Pratappur Ch.	..	..	..	..	..	2,105	1,958	894	4,957	6·70	6·20	2·80	15·70	4,957			
164	Pingla Ch.	..	..	..	..	..	1,606	1,276	1,795	4,677	5·76	5·77	5·04	16·57	4,677			
165	Nischintapur D. B.	..	..	..	..	..	1,893	1,073	1,151	4,117	5·10	2·72	3·10	10·92	4,117			
166	Narayangarh Ch.	..	..	..	..	..	2,389	1,100	530	4,019	12·00	5·00	3·00	20·00	4,019			
167	Mayna Ch.	..	..	..	..	..	2,260	1,230	927	4,417	13·74	8·24	5·69	27·67	4,417			
168	Keshiary D. B.	..	..	..	..	..	3,921	1,686	1,145	6,752	12·48	5·36	3·64	21·48	6,752			
169	Kelomal D. B. Ch.	..	..	·02	·04	·38	1,401	825	962	3,188	9·50	5·91	6·78	22·19	3,202			
170	Janka D. B.	..	..	..	..	..	1,386	620	358	2,364	10·70	5·80	4·10	20·60	2,364			
171	Irphala Ch.	..	..	..	..	..	2,491	1,297	1,355	5,143	11·64	7·79	7·35	26·78	5,143			
172	Geonkhali D. B.	..	..	..	..	..	2,558	1,559	1,437	5,554	15·17	8·82	7·54	31·53	5,554			
173	Egra D. B.	..	..	..	..	..	1,418	1,013	907	3,338	8·00	7·00	6·00	21·00	3,338			
174	Daspur Ch.	..	..	..	..	..	724	439	466	1,629	1·90	1·20	1·20	4·30	1,629			



175	Dantan	..	..	III B.	..	..	..	..	..	3,122	2,160	1,455	6,737	18.22	12.05	9.26	39.53	6,737
176	Birsingha	..	..	III B.	..	..	..	..	..	1,160	653	837	2,650	7.96	4.61	5.86	18.43	2,650
177	Beliaberah	..	..	III B.	..	..	..	..	..	2,043	1,192	931	4,166	9.94	5.98	4.72	20.64	4,166
178	Muradpur	..	..	III B.	..	..	..	..	..	2,358	1,245	1,016	4,619	6.40	3.40	2.70	12.50	4,619
179	Shalboni B. D.	..	..	III B.	..	..	..	..	..	2,331	1,500	1,000	4,831	21.65	13.35	11.68	46.68	4,831
180	Sutahata Ch.	..	..	III B.	..	..	..	..	..	1,522	667	563	2,752	7.56	3.88	3.14	14.58	2,752
181	Silda D. B.	..	..	III B.	..	..	..	..	..	3,835	2,415	1,127	7,377	22.18	15.77	11.27	49.22	7,377
182	Protapdighi	..	..	III B.	..	..	..	..	..	1,672	1,292	604	3,568	11.77	9.44	5.49	26.70	3,568
183	Protappur Lochanmani	..	..	III B.	..	..	..	..	..	2,159	1,808	404	4,371	5.90	4.90	1.10	11.90	4,371
184	Kolaghat D. B.	..	..	III B.	..	..	..	..	..	1,511	872	765	3,148	9.44	6.06	5.03	20.53	3,148
185	Chandri Ch.	..	..	III B.	..	..	..	..	..	4,128	2,124	2,474	8,726	25.83	14.65	15.28	55.76	8,726
186	Bhagwanpur D. B.	..	..	III B.	..	..	..	..	..	2,166	1,541	493	4,200	..	..	..	..	4,200
187	Manikpara Ch.	..	..	IV	..	..	..	..	..	1,858	947	959	3,764	5.10	2.60	2.60	10.30	3,764
188	Norun Co-operative Ch.	..	..	IV	..	..	..	..	..	1,431	922	458	2,811	7.00	7.00	13.00	27.00	2,811
189	Mohar Dinabandhu Ch.	..	..	IV	..	..	..	..	..	760	215	155	1,130	2.80	.79	.57	4.16	1,130
190	Uma Hamirpur	..	..	IV	..	..	..	..	..	803	478	247	1,528	2.70	1.60	.80	5.10	1,528
191	Nayagan Ch.	..	..	IV	..	..	..	..	..	2,426	1,157	501	4,084	8.00	4.00	2.00	14.00	4,084
192	Paikmajita Ch.	..	..	IV	..	..	..	..	..	688	520	398	1,606	2.83	2.16	1.44	6.43	1,606
193	Patashpur Ch.	..	..	IV	..	..	..	..	..	151	70	10	231	.49	.23	.03	.75	231
194	Mahammadpur R. G. Ch.	..	..	IV	..	..	..	..	..	3,412	877	1,361	5,650	8.00	4.00	4.00	16.00	5,650
195	R. K. Mission Sevasram Ch.	..	..	IV	3	..	..	..	3	396	1,141	579	2,116	..	..	..	..	2,138
196	Paparara Ch.	..	..	U. B.	..	..	..	..	..	2,616	1,337	1,265	5,718	8.97	6.10	4.40	19.47	5,718
197	Sabong Ch.	..	..	U. B.	..	..	..	..	..	281	111	18	410	..	..	..	..	410
198	Nandanpur Mahesh Ch.	..	..	U. B.	..	..	..	..	..	1,013	695	609	2,317	4.00	2.00	2.00	8.00	2,317
199	Chiraprova Ch.	..	..	U. B.	..	..	..	..	..	1,332	773	430	2,535	3.00	2.00	1.00	6.00	2,535
200	Satpati Bhimpur Ch.	..	..	U. B.	..	..	..	..	..	509	312	135	956	6.15	3.30	1.31	10.76	956
201	Shaurpore Ch.	..	..	U. B.	..	..	..	..	..	1,150	940	158	2,248	10.00	8.10	1.10	19.20	2,248
202	Nahapore Ch.	..	..	U. B.	..	..	..	..	..	261	161	122	544	.96	.59	.45	2.00	544
203	Amlagora Ch.	..	..	U. B.	..	..	..	..	..	1,825	1,875	202	3,902	5.00	5.00	2.00	12.00	3,902
204	Kuapara Ch.	..	..	U. B.	..	..	..	..	..	138	89	113	340	3.20	2.00	3.10	8.30	340

No.	Name of district and dispensaries.	Of what class.	Total treated during the year.					Indoor patients.					Ratio of deaths per cent. to total treated.	Number of beds available.		
			Men.	Women.	Children.	Total.	Number cured.	Number relieved.	Discharged otherwise.	Died.	Men.	Women.				
1	2	3	4	5	6	7	8	9	10	11	12	13	14			
205	Panskura Charitable	U. B.	..	..	..	..	..	..	..	..	..	..	..			
206	Belda Charitable	U. B.	..	..	..	..	..	..	..	..	..	..	..			
207	B. R. Sen Changual Charitable	U. B.	..	..	..	..	..	..	..	..	..	..	..			
208	Gobardhanpur Charitable	U. B.	..	..	..	..	..	..	..	..	..	..	..			
209	Suryyakumar Satbankura Charitable.	U. B.	..	..	..	..	..	..	..	..	..	..	..			
210	Gurdala Charitable	U. B.	..	..	..	..	..	..	..	..	..	..	..			
211	Goaltore Pingbani Charitable	U. B.	..	..	..	..	..	..	..	..	..	..	..			
Total			2,340	2,018	1,072	5,430	3,611	956	467	250	4.6	113	73			

A—General Dispensaries.  
Hooghly.

212	Uttarpara Govt. Hospital	I	323	117	30	470	291	28	69	73	15.5	12	8				
213	Serampore Walsh Hospital	I	1,632	1,495	1,008	4,135	3,000	441	500	194	4.6	55	21				
214	Arambagh Subdivisional Hospital.	I	248	170	56	474	356	58	28	16	3.37	8	6				
215	Babnan	III	..	..	..	..	..	..	..	..	..	..	..				
216	Bhanderhati	III	..	..	..	..	..	..	..	..	..	..	..				
217	Baganda	III	..	..	..	..	..	..	..	..	..	..	..				

[illegible]



No.	Name of district and dispensary. Of what class.	Indoor patients.					Out-door patients.								Total number of patients treated both in-door and out-door.
		Daily average number.					Number treated.				Average daily attendance.				
		Men. Women. Children. Total.					Total treated.				Men. Women. Children. Total.				
		Men.	Women.	Children.	Total.		Men.	Women.	Children.	Total.	Men.	Women.	Children.	Total.	
1	2	3	15	16	17	18	19	20	21	22	23	24	25	26	27
205	Panskura Ch.	..	..	..	..	..	34	16	8	58	..	..	..	..	58
206	Belda Ch.	..	..	..	..	..	1,040	468	449	1,957	4.87	2.31	1.98	9.16	1,957
207	B. R. Sen Changual Ch.	..	..	..	..	..	1,320	1,178	1,512	4,010	10.00	9.05	11.85	30.90	4,010
208	Gobardhanpur Ch.	..	..	..	..	..	603	292	90	985	1.93	.93	.28	3.14	985
209	Suryya Kumar Satbankura Ch.	..	..	..	..	..	1,747	1,288	645	3,680	5.00	4.00	2.00	11.00	3,680
210	Gurdala Ch.	..	..	..	..	..	832	506	413	1,751	2.80	1.50	1.00	5.30	1,751
211	Goaltore Pingbani Ch.	..	..	..	..	..	608	258	181	1,047	5.20	2.30	1.80	9.30	1,047
Total		..	78.63	47.56	23.22	148.81	135,339	82,694	61,852	279,885	640.20	411.43	318.61	1,370.24	285,315

A—General Dispensaries.

Hooghly.

212	Uttarpara Govt. Hospital ..	I	9.70	4.40	0.10	14.20	9,283	6,864	4,099	20,246	66.10	57.4	29.2	153.7	20,716		
213	Serampur Walsh Hospital ..	I	47.54	30.55	4.46	82.55	11,884	6,557	2,937	21,378	72.92	36.09	11.5	120.51	25,513		
214	Arambagh Subdivisional Hospital	I	9.01	4.63	1.34	14.98	6,267	2,514	2,171	10,952	40.66	17.07	15.29	73.02	11,426		
215	Babnan ..	III	..	..	..	..	1,835	1,348	1,205	4,388	13.60	10.33	9.92	33.85	4,388		
216	Bhanderhati ..	III	..	..	..	..	1,698	1,032	520	3,250	17.66	9.99	4.68	32.3	3,250		
217	Baganda ..	III	..	..	..	..	807	627	1,046	2,480	5.93	6.39	8.74	21.06	2,480		
218	Bora ..	III	..	..	..	..	1,879	1,239	2,046	5,164	19.26	12.85	22.49	54.60	5,164		

219	Bhonderhati K. C.	..	III	..	..	..	..	1,467	977	1,325	3,769	12·62	8·37	12·41	33·40	3,769
220	Badanganj	..	III	..	..	..	..	1,075	675	574	2,324	2·94	1·84	1·57	6·35	2,324
221	Bilsora	..	III	..	..	..	..	1,284	816	1,615	3,715	3·51	2·23	4·41	10·15	3,715
222	Basudebpur	..	III	..	..	..	..	1,990	1,704	2,812	6,506	5·50	4·6	7·7	17·8	6,506
223	Dasghara	..	III	..	..	..	..	674	393	416	1,423	6·40	3·9	4·4	14·7	1,483
224	Batanol	..	III	..	..	..	..	126	79	83	288	1·40	·83	·73	2·95	288
225	Baidyabati	..	III	..	..	..	..	2,487	1,868	1,303	6,658	20·28	15·90	11·09	47·28	5,658
226	Dwarbasini	..	III	..	..	..	..	558	390	745	1,693	3·70	2·88	6·02	12·60	1,693
227	Gurup	..	III	..	..	..	..	1,050	1,140	1,354	3,544	6·32	7·03	9·13	22·49	3,544
228	Guti	..	III	..	..	..	..	1,515	1,255	1,392	4,162	5·11	4·12	4·50	13·73	4,162
229	Haripal	..	III	..	..	..	..	1,655	1,103	1,392	4,150	8·20	6·1	9·7	24·0	4,150
230	Haraldaspur	..	III	..	..	..	..	533	563	2,627	3,723	4·10	4·5	19·9	25·5	3,723
231	Jarul	..	III	..	..	..	..	991	628	881	2,500	7·19	4·69	6·79	18·68	2,500
232	Kalachara	..	III	..	..	..	..	2,014	2,543	3,414	7,971	19·07	22·14	29·92	71·13	7,971
233	Kamrul	..	III	..	..	..	..	1,642	1,496	668	3,806	7·40	8·1	9·9	25·5	8 6
234	Mahesh	..	III	..	..	..	..	3,102	877	2,494	6,473	21·00	7·0	13·2	41·2	6,4 73
235	Mondlai	..	III	..	..	..	..	1,691	1,086	1,282	4,059	13·70	8·7	10·6	33·0	4,059
236	Magram	..	III	..	..	..	..	6,856	5,744	5,051	17,651	40·51	33·83	30 11	104·46	17,651
237	Makhla	..	III	..	..	..	..	402	207	370	979	4·00	3·0	4·0	11·0	979
238	Pandua	..	III	..	..	..	..	2,752	2,017	1,344	6,113	14·89	11·65	8·21	34·75	6,113
239	Pitambar	..	III	..	..	..	..	1,534	790	628	2,952	5·20	2·67	2·12	10·00	2,952
240	Palla	..	III	..	..	..	..	1,192	896	1,109	3,197	3·80	2·9	3·6	10·3	3,197
241	Rajkissen	..	III	..	..	..	..	3,234	2,047	2,320	7,691	20·20	14·53	11·93	46·66	7,691
242	Singur	..	III	1·20	2·00	·20	3·40	1,881	1,450	1,202	4,533	13·83	10·63	8·05	32·52	4,690
243	Rajbalhat	..	III	..	..	..	..	560	325	340	1,225	6·85	4·87	4·41	16·13	1,225
244	Seora	..	III	..	..	..	..	590	298	384	1,272	3·44	1·6	2·13	7·17	1,272
245	Tentulia	..	III	..	..	..	..	1,923	1,168	349	3,440	13·81	10·72	2·26	26·79	3,440
246	Annan	..	U. B.	..	..	..	..	735	415	310	1,460	2·11	1·78	1·00	4·89	1,460
247	Akna	..	U. B.	..	..	..	..	1,318	984	1,117	3,419	9·61	7·04	8·31	24·96	3,419
248	Balarambati	..	U. B.	..	..	..	..	124	119	101	344	·79	·87	·75	2·4	344

No.	Name of district and dispensaries	Of what class.	Indoor Patients.										
			Total treated during the year.				Number cured.	Number relieved.	Discharged otherwise.	Died.	Ratio of deaths per cent. to total treated.	Number of beds available	
			Men.	Women.	Children.	Total.						Men.	Women.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
249	Balipur	U. B.	..	..	..	..	..	..	..	..	..	..	..
250	Belmuri	U. B.	..	..	..	..	..	..	..	..	..	..	..
251	Bali	U. B.	..	..	..	..	..	..	..	..	..	..	..
256	Belum	U. B.	..	..	..	..	..	..	..	..	..	..	..
257	Begumpur	U. B.	..	..	..	..	..	..	..	..	..	..	..
258	Digsui	U. B.	..	..	..	..	..	..	..	..	..	..	..
259	Goghat	U. B.	..	..	..	..	..	..	..	..	..	..	..
260	Gourhati	U. B.	..	..	..	..	..	..	..	..	..	..	..
261	Harinkhali	U. B.	..	..	..	..	..	..	..	..	..	..	..
262	Juna	U. B.	..	..	..	..	..	..	..	..	..	..	..
263	Khejurdaha	U. B.	..	..	..	..	..	..	..	..	..	..	..
264	Karnarpukur	U. B.	..	..	..	..	..	..	..	..	..	..	..
265	Simlagarh	U. B.	..	..	..	..	..	..	..	..	..	..	..
266	Damurdaha	U. B.	..	..	..	..	..	..	..	..	..	..	..
267	Sugandha	U. B.	..	..	..	..	..	..	..	..	..	..	..
268	Sheakhala	U. B.	..	..	..	..	..	..	..	..	..	..	..
269	Mayapur	U. B.	..	..	..	..	..	..	..	..	..	..	..
270	Nakunda	U. B.	..	..	..	..	..	..	..	..	..	..	..
271	Tirol	U. B.	..	..	..	..	..	..	..	..	..	..	..
272	Chiladang	IV	..	..	..	..	..	..	..	..	..	..	..
Total			..	2,285	1,856	1,095	5,236	3,783	609	295	31.1	85	39



[illegible]

No.	Name of district and dispensary.	Of what class.	Indoor patients.				Out-door patients.										Total number of patients treated both in-door and out-door.
			Daily average number.				Number treated.			Average daily attendance.			Total.				
			Men.	Women.	Children.	Total.	Men.	Women.	Children.	Total.							
1	2	3	15	16	17	18	19	20	21	22	23	24	25	26	27		
249	Balipur	..	..	..	..	..	815	329	434	1,578	6.30	2.5	2.9	11.7	1,578		
250	Belmuri	..	..	..	..	..	485	543	834	1,862	6.10	7.3	10.6	24.0	1,862		
251	Bali	..	..	..	..	..	1,359	395	759	2,513	4.40	1.2	2.4	8.0	2,513		
256	Belum	..	..	..	..	..	337	274	426	1,037	.9	.7	1.2	2.8	1,037		
257	Begumpur	..	..	..	..	..	121	146	86	353	.9	1.0	.7	2.6	353		
258	Digsui	..	..	..	..	..	1,007	973	802	2,782	5.4	5.6	5.9	17.0	2,782		
259	Goghat	..	..	..	..	..	725	630	270	1,625	3.5	3.2	1.3	8.0	1,625		
260	Gourhati	..	..	..	..	..	723	421	351	1,495	1.9	1.1	.9	2.9	1,495		
261	Harinkhali	..	..	..	..	..	1,086	970	315	2,371	3.5	3.1	3.0	9.6	2,371		
262	Juna	..	..	..	..	..	1,055	749	826	2,630	2.9	2.0	2.0	6.9	2,630		
263	Khejurdaha	..	..	..	..	..	2,456	1,941	2,540	6,937	6.7	5.3	6.9	18.9	6,937		
264	Kamarpukur	..	..	..	..	..	883	391	453	1,727	4.2	2.2	2.3	9.0	1,727		
265	Simlagarh	..	..	..	..	..	645	372	348	1,365	2.0	1.1	1.1	4.2	1,563		
266	Damurdaha	..	..	..	..	..	1,112	978	794	2,884	18.0	9.3	8.1	35.4	2,884		
267	Sugandha	..	..	..	..	..	1,245	670	777	2,692	6.9	3.5	4.3	14.7	2,692		
268	Sheakhala	..	..	..	..	..	611	381	581	1,573	1.6	1.0	1.5	4.1	1,573		
269	Mayapur	..	..	..	..	..	559	332	468	1,359	6.0	4.0	5.0	15.0	1,359		
270	Nakunda	..	..	..	..	..	2,931	1,725	2,524	7,180	8.0	4.7	6.9	19.6	7,180		
271	Tirol	..	..	..	..	..	1,886	995	1,087	3,968	6.0	3.0	3.0	12.0	3,968		
272	Chiladangi	..	..	..	..	..	1,977	1,572	1,064	4,613	13.0	10.9	7.4	31.3	4,613		
Total			..	67.40	41.50	6.10	115.00	102,716	69,021	68,765	240,502	631.60	439.60	422.60	1,492.70	245,738	

Howrah

273	Sri Krishna Chandra	..	IV	..	..	..	3,335	2,324	908	6,567	45.70	31.80	12.40	89.90	6,567
274	Silver Jubilee	..	IV	..	..	..	5,271	2,659	1,910	9,840	37.00	19.00	14.00	70.00	9,840
275	Goyespore	..	IV	..	..	..	367	555	413	1,335	2.25	2.89	2.93	8.07	1,335
276	Nabagram Ishan Ch.	..	IV	..	..	..	1,765	1,480	966	4,211	5.78	4.88	3.16	13.82	4,211
277	Panpur Tarini Ch.	..	IV	..	..	..	3,017	2,125	2,832	7,974	27.42	19.31	26.78	73.51	7,974
278	Khator Ch.	..	IV	..	..	..	2,467	1,121	1,319	4,907	9.00	4.00	7.00	20.00	4,907
279	Uluberia	..	IV	9	3	18	7,270	4,112	2,149	13,531	52.00	34.00	10.00	96.00	14,289
280	Rampur	..	III	..	..	..	420	420	560	1,400	23.00	24.00	25.00	72.00	1,400
281	Satya Bala Devi Hospital	..	III	6.14	3.52	.54	10.20	..	..	..	..	..	..	..	985
282	Udang	..	III	..	..	..	890	620	917	2,427	9.00	6.00	7.00	22.00	2,427
283	Lillooah	..	III	..	..	..	2,913	1,073	1,034	5,030	15.44	6.60	6.03	28.07	5,020
284	Parchandipur	..	III	..	..	..	1,376	642	989	3,007	9.00	4.00	6.00	19.00	3,007
285	Bally U. B. Ch.	..	III	..	..	..	1,337	964	608	2,909	6.65	4.61	2.87	14.13	2,909
286	Makardah K. N.	..	III	..	..	..	5,572	4,764	5,802	16,138	29.14	24.46	31.21	84.81	16,138
287	Singti Thana Ch.	..	III	..	..	..	1,781	982	1,384	4,147	12.33	7.11	9.32	28.76	4,147
288	Domjur Thana Ch.	..	III	..	..	..	4,878	4,567	3,909	13,354	13.36	12.51	10.70	36.57	13,354
289	Garbaria C. K.	..	III	..	..	..	3,754	3,082	4,214	11,050	25.00	20.00	27.00	72.00	11,
290	Shyampur Ch.	..	III	..	..	..	1,530	747	712	2,989	7.40	3.80	3.30	14.50	2,989
291	Rajganj C. R. Ch.	..	III	..	..	..	5,483	3,314	3,545	12,342	35.00	21.00	24.00	80.00	12,342
292	Barda Jnanada Moyee Ch.	..	III	..	..	..	4,202	1,820	1,017	7,039	25.00	10.00	6.00	41.00	7,039
293	Mohiary K. P. Roy	..	III	..	..	..	1,608	1,061	1,203	3,872	10.33	6.98	7.59	24.90	3,872
294	Salkia Municipal	..	III	..	..	..	4,860	4,528	4,312	13,700	24.40	30.70	29.90	85.00	13,700
295	Bator Ch.	..	III	..	..	..	6,442	4,013	3,773	14,228	31.90	29.00	21.90	82.80	14,228
296	Deulpur Ch.	..	III	..	..	..	1,837	1,308	1,424	4,569	13.00	9.00	10.00	32.00	4,069
297	Baltikri Ch.	..	IIIB	..	..	..	1,825	1,070	1,113	4,008	11.00	6.60	6.60	24.20	4,008
298	Bally Beams Ch.	..	IIIB	0.60	..	0.60	4,174	3,066	1,213	9,453	28.00	16.20	15.70	59.90	9,473
299	Amta Ch.	..	IIIB	..	..	..	2,905	1,948	2,372	7,225	27.00	19.00	24.00	70.00	7,225
300	Bankra U. B.	..	..	..	..	..	1,981	840	2,552	5,373	5.00	2.00	7.00	14.00	5,373

Total	..	..	..	15.74	9.52	3.54	28.80	83,260	55,205	54,150	192,615	540.10	379.45	357.39	1,276.94	194,378
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320	Pearah	..	..	..	..	..	..	..	1,598	787	1,006	3,391	12.23	5.00	5.16	22.39	3,391
321	Dkshin Chatra	..	..	..	..	..	..	..	2,010	1,167	894	4,071	17.38	9.16	6.44	32.98	4,071
322	Dhobtukari	..	..	..	..	..	..	..	1,562	1,139	2,144	4,845	12.60	9.83	21.01	43.44	4,845
323	Naihati	..	..	..	..	..	..	..	1,846	1,232	2,287	5,365	11.15	8.46	16.35	35.96	5,365
324	Sout Garia	..	..	..	..	..	..	..	675	432	264	1,371	2.30	1.96	1.92	6.18	1,371
325	Narayanpur	..	..	..	..	..	..	..	1,928	898	925	3,751	15.23	5.41	5.98	26.62	3,751
326	Harinavi	..	..	..	..	..	..	..	390	295	418	1,103	2.60	1.70	3.02	7.32	1,103
327	Charghat	..	..	..	..	..	..	..	1,886	1,389	1,597	4,872	6.30	4.60	5.30	16.20	4,872
328	Murariapur	..	..	..	..	..	..	..	1,212	575	914	2,701	8.35	4.46	6.76	19.57	2,701
329	Bhangor	..	..	..	..	..	..	..	2,089	758	964	3,811	16.82	5.99	7.88	30.69	3,811
330	Nowpar	..	..	..	..	..	..	..	2,393	2,050	550	4,993	16.23	11.86	4.10	32.19	4,993
331	Amdanga	..	..	..	..	..	..	..	2,846	2,094	1,311	6,251	..	..	..	..	6,251
332	B. J. C.	..	..	..	..	..	..	..	1,340	1,040	2,010	4,393	7.00	6.00	12.00	25.00	4,393
333	Chatta	..	..	..	..	..	..	..	1,533	2,323	3,140	6,996	4.99	7.57	10.22	22.78	6,996
334	Gopalnagar	..	..	..	..	..	..	..	1,684	1,622	2,286	5,592	5.48	5.28	7.44	18.20	5,592
335	Hakempur Bithari	..	..	..	..	..	..	..	1,161	620	1,607	3,388	8.73	5.16	10.19	24.08	3,388
336	Si ra Kaligr m	..	..	..	..	..	..	..	1,714	1,043	1,585	4,342	15.70	10.99	17.19	43.88	4,342
337	Sagore	..	..	..	..	..	..	..	1,233	393	339	1,965	3.93	1.25	1.08	6.26	1,965
338	Dhop Dhopi	..	..	..	..	..	..	..	3,989	1,049	627	5,665	12.53	4.00	3.29	19.82	5,665
339	Kasba il Hu ilee	..	..	..	..	..	..	..	1,693	1,537	4,062	7,292	16.77	15.75	45.44	77.96	7,292
340	Kalikapur	..	..	..	..	..	..	..	1,334	1,190	1,053	3,578	4.00	3.00	3.00	10.00	3,578
341	Bhabla	..	..	..	..	..	..	..	2,430	1,256	3,244	6,930	22.69	11.56	16.82	51.07	6,930
342	Canning	..	..	..	..	..	..	..	4,384	2,356	1,940	8,680	22.16	11.23	10.00	43.39	8,680
343	Tent lia	..	..	..	..	..	..	..	1,430	1,136	1,554	4,120	14.70	10.60	8.90	34.20	4,120
344	Dakshmin Baraset	..	..	..	..	..	..	..	2,944	1,571	2,899	7,414	19.15	11.66	22.39	53.20	7,414
345	Bakhrabat	..	..	..	..	..	..	..	2,720	1,817	2,306	6,843	13.95	10.03	11.00	34.98	6,843
346	Saguna	..	..	..	..	..	..	..	1,507	943	525	2,975	..	..	..	..	2,975
347	Behala Charitable	..	..	..	..	..	..	..	1,206	1,149	1,199	3,554	5.83	5.50	5.60	16.93	3,554
348	Jadhavpur Charitalble	..	..	..	..	..	..	..	2,682	1,218	2,718	6,618	17.60	5.13	19.59	42.32	6,618
349	Panchgachia Charitable	..	..	..	..	..	..	..	2,110	1,530	1,110	4,750	14.00	8.78	6.51	29.29	4,750



*Nadia.*

[illegible]



No.	Name of district and dispensary.	Of what class.	Indoor patients.					Out-door patients.										Total number of patients treated both in-door and out-door.
			Daily average number.					Number treated.					Average daily attendance.					
			Total.					Total.					Total.					
			Men.	Women.	Children.	Total.	Men.	Women.	Children.	Total.	Men.	Women.	Children.	Total.				
1	2	3	15	16	17	18	19	20	21	22	23	24	25	26	27			
24-Parganas.																		
350	Deuliadegang Charitable	III	..	..	..	..	1,150	830	585	2,565	12.90	10.90	7.40	31.20	2,565			
351	Magrahat Charitable	III	..	..	..	..	6,132	5,013	5,334	16,479	37.76	28.38	45.15	111.29	16,479			
352	Malangapara Charitable	III	..	..	..	..	1,927	1,462	3,130	6,519	6.29	4.77	10.24	21.30	6,519			
353	Barisha Charitable	III	..	.25	.20	.50	1,341	1,270	639	3,300	4.44	4.22	2.26	10.92	3,483			
354	Nawabganj Charitable	III	..	..	..	..	1,580	990	868	3,438	10.15	10.01	7.57	27.73	3,438			
355	Garulia Charitable	III	..	..	..	..	3,258	1,596	3,169	8,023	22.02	12.41	26.62	61.05	8,023			
356	Chhota Jagulla Charitable	..	..	..	..	..	1,118	1,087	1,231	3,436	11.50	10.97	10.92	33.39	3,436			
357	Kotra Charitable	..	..	..	..	..	726	365	678	1,769	5.56	3.13	6.30	14.99	1,769			
358	Garden Reach Charitable	..	..	..	..	..	2,415	2,806	2,899	8,120	15.36	20.45	17.24	53.05	8,120			
359	Baruipur Charitable	..	..	..	..	..	887	512	441	1,840	3.93	2.71	2.31	8.95	1,840			
360	Sarparajpur Charitable	..	..	..	..	..	1,910	826	1,289	4,025	13.31	6.20	11.70	31.21	4,025			
361	Shibhati Charitable	..	..	..	..	..	1,407	539	1,093	3,039	12.24	4.29	9.20	25.73	3,039			
362	Ghateshwara Charitable	..	..	..	..	..	2,902	1,260	1,569	5,731	19.04	7.94	10.39	37.37	5,731			
363	Rajabagan Charitable	..	..	..	..	..	3,885	1,593	1,492	6,970	29.17	11.60	12.08	52.85	6,970			
364	Gadamathura Charitable	..	..	..	..	..	1,418	797	785	3,000	9.06	6.05	5.16	20.27	3,000			
365	Malipota	..	..	..	..	..	445	428	387	1,260	3.19	3.04	2.84	9.07	1,260			
366	Boyra Charitable	..	..	..	..	..	831	410	763	2,004	7.00	3.00	7.00	17.00	2,004			
367	Ganganandapur	..	..	..	..	..	903	687	626	2,216	3.30	2.30	2.10	7.70	2,216			
368	Garia A. C.	..	..	..	..	..	581	701	667	1,949	2.00	2.30	2.10	6.40	1,959			
369	Gaurapota	..	..	..	..	..	945	640	525	2,110	3.00	2.00	1.80	6.80	2,110			
370	Gaighata	..	..	..	..	..	685	564	612	1,861	7.20	8.30	12.30	27.80	1,861			
371	Dhanyakuria	..	..	..	..	..	3,866	2,160	2,947	8,973	33.60	19.75	25.11	78.46	8,973			

372	Mahendra Nath	..	..	..	..	..	..	..	..	1,987	1,392	810	4,189	2,50	2,00	1,00	5,50	4,189
373	Dhonpota ..	..	..	..	..	..	..	..	..	2,663	677	713	4,053	9,40	2,40	2,50	14,30	4,053
374	Khardah	..	..	..	..	..	..	..	..	2,092	730	576	3,398	6,81	2,38	1,87	11,06	3,398
375	Baranagar ..	..	..	..	..	..	..	..	..	1,935	2,915	3,450	8,300	..	..	..	..	8,300
376	Budge Budge	..	..	19.39	4.82	08	25.08	..	..	8,910	3,988	4,232	17,130	57,57	24,97	25,66	108,22	17,622
377	Dadpur ..	..	..	..	..	..	..	..	..	1,704	712	1,423	3,839	8,05	3,71	7,93	19,69	3,839
378	Bishnupur	..	..	..	..	..	..	..	..	2,156	1,776	2,913	6,845	12,88	11,56	20,08	44,52	6,845
379	George	..	..	..	..	..	..	..	..	4,552	5,329	3,946	13,827	32,40	5,70	25,40	66,50	13,827
380	Belpukur	..	..	..	..	..	..	..	..	2,645	1,339	1,892	5,876	18,05	10,06	15,10	43,21	5,876
381	Haroa ..	..	..	..	..	..	..	..	..	2,762	657	630	4,049	14,27	7,21	4,78	26,26	4,049
382	Kolsur	..	..	..	..	..	..	..	..	2,209	1,190	1,010	4,409	15,12	8,50	6,80	30,42	4,409
383	Majhupara ..	..	..	..	..	..	..	..	..	300	186	233	719	7,34	4,30	4,89	16,53	719

Total		..	82.38	33.64	10.78	126.80	213,007	126,643	150,301	489,951	1,276,32	757,93	980,63	3,014,88	495,436
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A—General Dispensaries.

Nadia.

384	Krishnagar Sadar Hospital	..	S.M.	38.00	23.00	14.00	75.00	14,968	9,185	3,060	27,213	29,00	58,00	36,00	186,00	31,373
385	Ranaghat Subdivisional Hospital	..	S.M.	5.92	1.31	24	7.47	20,204	14,696	16,943	51,843	209,56	133,70	89,96	433,22	52,133
386	Kanchrapara T. B. Hospital	..	I	341,00	189,00	..	530,00	41	25	..	66	1,50	1,20	..	2,70	570
387	Banpur Charitable	..	III	..	..	..	..	1,596	892	1,662	4,150	11,30	6,10	11,00	28,40	4,150
388	Chakdah ..	..	III	..	..	..	..	2,127	1,225	1,920	5,272	12,68	7,59	11,98	32,25	5,272
389	Kalinga T. N. Memorial	..	III	..	..	..	..	1,416	1,319	1,465	4,200	13,45	9,99	10,88	34,32	4,200
390	Santipur Charitable	..	III	0.61	1.19	0.35	2.15	2,001	1,374	2,011	5,386	13,68	9,45	15,79	38,92	5,472
391	Bagula Charitable	..	III	..	..	..	..	3,414	1,388	1,615	6,417	9,40	3,82	4,44	17,66	6,417
392	Majhergram Charitable	..	III	..	..	..	..	1,566	1,457	3,471	6,494	18,37	15,95	19,86	54,13	6,494
393	Ula ublic	..	III	..	..	..	..	1,388	667	806	2,861	..	..	..	..	2,861
394	Aranghota Charitable	..	III	..	..	..	..	3,339	1,099	1,318	5,756	24,50	9,50	8,00	42,00	5,756
395	Bhojanghat	..	III	..	..	..	..	1,085	500	664	2,339	7,05	4,09	4,35	15,49	2,336





418	Murutia U. B.	..	U.B.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
419	Palsunda U. B.	..	U.B.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
420	Mayapur Bamanpukur	..	U.B.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
421	Dignagar U. B.	..	U.B.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
422	Palasipara U. B.	..	U.B.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
423	Matiari U. B. Chairtable	..	U.B.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
424	Carmichael Charitable	..	IV	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
425	Belgoria Charitable	..	IV	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total		..	..	1,647	2,958	2,249	6,854	5,538	364	258	360	5·2	447	257				

### A.—General Dispensaries.

*Murshidabad.*

[illegible]

No.	Name of district and dispensary. Of what class.	Indoor patients.					Out-door patients.					Total number of patients treated both in-door and out-door.				
		Daily average number.					Average daily attendance.									
		Number treated.				Men.	Number treated.				Men.		Average daily attendance.			
		Men.	Women.	Children.	Total.		Men.	Women.	Children.	Total.						
1	2	3	15	16.	17	18	19	20	21	22	23	24	25	26	27	
396	Gagnapur ..	III	..	..	..	..	1,876	1,451	1,918	5,245	5·14	3·98	5·25	14·37	5,245	
397	Haringhata ..	III	..	..	..	..	2,875	2,052	2,565	7,492	18·86	11·74	18·34	48·93	7,492	
398	Narayanpur D. B.	III	..	..	..	..	2,590	1,357	1,493	5,440	7·23	3·79	4·17	15·19	5,440	
399	Betai Charitable	III	..	..	..	..	1,050	635	423	2,108	7·97	5·90	3·76	17·63	2,108	
400	Majdia P. B. L.	III	..	..	..	..	2,054	1,610	1,492	5,156	17·56	14·43	14·78	46·77	5,156	
401	Majhergram Sadar	III	..	..	..	..	1,713	1,073	1,362	4,148	23·66	15·85	20·06	59·57	4,148	
402	Tehatta Charitable	III	..	..	..	..	2,515	1,431	1,809	5,755	27·42	14·61	22·08	64·11	5,755	
403	Jagannathpur	III	..	..	..	..	680	339	508	1,527	7·48	3·27	6·19	16·94	1,527	
404	Nawpara Charitable	III	..	..	..	..	465	346	640	1,451	3·58	2·49	5·45	11·52	1,451	
405	Debagram Charitable	III	..	..	..	..	1,777	982	1,067	3,826	12·27	7·04	7·13	26·44	3,826	
406	Nabdwip Garret Hospital	III	..	2·61	18·88	14·05	35·54	2,561	2,133	1,260	5,954	21·27	17·61	11·36	7,768	
407	Graham Charitable	III	..	..	..	..	2,106	1,500	2,283	5,889	20·00	15·10	23·30	58·40	5,889	
408	Asannagar	III	..	..	..	..	2,188	1,228	1,482	4,898	22·35	12·33	14·47	49·15	898	
409	Dhoradaha U. B.	U.B.	..	..	..	..	720	518	537	1,775	2·40	1·70	1·80	5·90	1,775	
410	Bhaluka U. B. Charitable	U.B.	..	..	..	..	1,604	1,223	1,527	4,354	13·39	10·27	13·17	36·83	4,354	
411	Chanderghat U. B.	U.B.	..	..	..	..	1,537	731	1,007	3,275	19·80	8·30	13·00	41·10	3,275	
412	Gayeshpur U. B.	U.B.	..	..	..	..	1,078	780	1,339	3,197	10·00	7·00	13·70	30·70	3,197	
413	Nawpara U. B.	U.B.	..	..	..	..	886	479	856	2,221	8·95	4·89	8·66	22·50	2,221	
414	Panighata U. B.	U.B.	..	..	..	..	1,008	783	845	2,636	11·80	9·10	4·00	24·90	2,636	
415	Dattapulia U. B.	U.B.	..	..	..	..	420	261	247	928	..	..	..	..	928	
416	Sarbani U. B.	U.B.	..	..	..	..	447	220	126	793	1·45	·71	·41	2·57	793	
417	Barnia U. B.	U.B.	..	..	..	..	2,061	1,125	575	3,761	6·70	3·60	1·80	12·10	3,761	

418	Murutia U. B.	..	U.B.	..	..	438	288	364	1,090	4.00	3.00	4.00	11.00	1,090		
419	Palsunda U. B.	..	U.B.	..	..	217	250	120	587	..	..	..	..	587		
420	Mayapur Bamanpukur	..	U.B.	..	..	572	303	333	1,208	4.80	2.70	3.50	11.00	1,208		
421	Dignagar U. B.	..	U.B.	..	..	2,090	1,252	2,809	6,151	5.82	3.49	7.82	17.13	6,151		
422	Palasipara U. B.	..	U.B.	..	..	1,771	884	897	3,552	17.14	8.34	8.82	34.30	3,552		
423	Matiari U. B. Charitable	..	U.B.	..	..	748	506	574	1,828	7.03	5.00	5.69	17.72	1,828		
424	Carmichael Charitable	..	IV	..	..	1,332	859	909	3,100	10.80	7.10	8.60	26.50	3,100		
425	Belgaria Charitable	..	IV	..	..	1,345	894	1,243	3,482	11.01	7.00	10.05	28.06	3,482		
Total		..	..	388.14	233.38	28.64	650.16	95,869	61,410	67,545	224,824	743.37	469.72	471.62	1,684.71	231,678

A—General Dispensaries.

Murshidabad.

426	Berhampur Sadar Hospital	..	S.M.	67.10	63.70	19.20	150.00	9,685	6,423	3,354	19,462	40.90	29.30	15.10	85.30	27,735
427	Kandi Subdivsional Hospital	..	S.M.	10.90	5.80	2.80	19.50	3,878	1,962	1,810	7,650	20.20	10.70	9.20	40.10	8,231
428	Jangipur Subdivisional Hospital	..	S.M.	6.80	1.90	.40	9.10	7,870	3,049	3,055	13,974	50.00	19.00	19.00	88.00	14,327
429	Lalbagh Subdivisional Hospital	..	S.M.	6.90	4.20	2.30	13.40	4,253	4,319	2,969	11,541	22.00	22.00	35.00	79.00	12,062
430	Sijigram Charitable	..	III	..	..	..	..	1,145	619	481	2,245	11.00	5.00	3.00	19.00	2,245
431	Sagardighi Charitable	..	III	..	..	..	..	960	552	560	2,072	9.00	5.00	5.00	19.00	2,072
432	Mandalpur Charitable	..	III	..	..	..	..	778	346	393	1,522	7.00	2.00	3.00	12.00	1,522
433	Talibpur Charitable	..	III	..	..	..	..	1,337	520	607	2,464	13.00	5.00	5.00	23.00	2,464
434	Gokarna Charitable	..	III	..	..	..	..	1,812	1,142	1,026	3,980	12.00	7.00	6.00	25.00	3,980
435	Lalbag Charitable	..	III	..	..	..	..	2,319	1,448	1,532	5,299	6.00	4.00	4.00	14.00	5,299
436	Beldanga Charitable	..	III	..	..	..	..	2,996	1,522	1,313	5,831	20.00	11.00	9.00	40.00	5,831
437	Bhagabangola Charitable	..	III	..	..	..	..	899	514	479	1,892	7.00	3.00	3.00	13.00	1,892
438	Doulatabad Charitable	..	III	..	..	..	..	2,007	1,150	1,189	4,346	14.00	8.00	9.00	31.00	4,346
439	Jaiaganj Charitable	..	III	..	..	..	..	1,797	1,354	457	3,608	6.00	4.00	1.00	11.00	3,608
440	Dhulian Charitable	..	III	..	..	..	..	1,473	1,410	1,965	4,848	12.00	11.00	17.00	40.00	4,848
441	Manickchak Charitable	..	U.B.	..	..	..	..	768	604	986	2,358	9.00	5.00	12.00	26.00	2,358







No.	Name of district and dispensary.	Of what class.	Indoor patients.										Out-door patients.						Total number of patients treated both in-door and out-door.
			Daily average number.			Number treated.			Average daily attendance.										
			Total.			Total treated.			Total.										
			Men.	Women.	Children.	men.	Women.	Children.	Men.	Women.	Children.	Total.							
1	2	3	15	16	17	18	19	20	21	22	23	24	25	26	27				
442	Jalangi U. B. Charitable	U.B.	..	..	..	..	876	288	486	1,650	11.00	4.10	4.50	19.60	1,650				
443	Damkal Thana	U.B.	..	..	..	..	539	184	138	861	7.00	3.00	2.00	12.00	861				
445	Indrani Sadal Charitable	U.B.	..	..	..	..	1,252	711	1 035	2,998	14.00	8.00	12.00	34.00	2,998				
446	Nimtita U. B. Charitable	U.B.	..	..	..	..	381	249	438	1,068	1.20	.80	1.50	3.50	1,068				
447	Bewa U. B. Charitable	U.B.	..	..	..	..	466	261	266	993	1.00	1.00	1.00	3.00	993				
448	Purandarpru Charitable	U.B.	..	..	..	..	1,107	674	725	2,506	10.00	6.00	6.00	22.00	2,506				
449	Kuli U. B. Charitable	U.B.	..	..	..	..	256	104	68	428	2.10	1.90	.30	4.30	428				
450	Dayarampur Charitable	U.B.	..	..	..	..	1,190	354	255	1,799	4.00	1.00	1.00	6.00	1,799				
451	Shibpur Charitable	U.B.	..	..	..	..	637	366	517	1,520	2.00	1.00	1.00	4.00	1,520				
452	Bardhanpur Charitable	U.B.	..	..	..	..	838	586	1,022	2,446	2.00	3.00	3.00	8.00	2,446				
453	Patkabari Charitable	U.B.	..	..	..	..	968	591	246	1,805	3.00	2.00	1.00	6.00	1,805				
454	Evauli Charitable	U.B.	..	..	..	..	172	86	131	389	2.20	1.10	1.70	5.00	389				
455	Behar Charitable	U.B.	..	..	..	..	1,776	999	1,163	3,938	20.00	10.00	10.00	40.00	3,938				
456	Dafarpur Charitable	U.B.	..	..	..	..	903	476	576	1,955	7.90	4.10	5.50	17.50	1,955				
457	Tenya Charitable	U.B.	..	..	..	..	176	76	126	378	1.00	1.00	1.00	3.00	378				
458	Mirzapur Charitable	U.B.	..	..	..	..	1,179	631	517	2,327	10.00	5.00	4.00	19.00	2,327				
459	Imannagar Dol Govidapur	U.B.	..	..	..	..	703	424	997	2,124	6.00	4.00	18.00	28.00	2,124				
460	Jajan U. B. Charitable	U.B.	..	..	..	..	432	189	282	903	5.00	12.00	8.00	25.00	903				
461	Karunanaran U. B. Charitable	U.B.	..	..	..	..	235	104	78	417	3.00	2.00	1.00	6.00	417				
462	Suti U. B. Charitable	U.B.	..	..	..	..	746	342	308	1 396	3.00	1.00	2.00	6.00	1,396				
463	Moregram Charitable	U.B.	..	..	..	..	1,139	459	470	2,068	7.00	3.00	3.00	13.00	2,068				
464	Chandpur U. B. Charitable	U.B.	..	..	..	..	996	486	428	1,910	6.00	3.00	3.00	12.00	1,910				
465	Bagirapara U. B. Charitable	U.B.	..	..	..	..	662	425	607	1,694	..	..	..	..	..				



466	Burwan Charitable	..	U.B.	..	..	..	..	..	..	858	505	641	2,004	10.00	6.00	7.00	23.00	2,004
467	Manigram Charitable	..	U.B.	..	..	..	..	..	..	463	261	164	888	1.40	.80	.50	2.70	888
468	Kalyanpur U. B. Charitable	..	U.B.	..	..	..	..	..	..	624	182	55	861	6.00	1.00	1.00	8.00	861
469	Hazi U. B. Charitable	..	U.B.	..	..	..	..	..	..	1,035	329	708	2,072	3.00	1.00	2.00	6.00	2,072
470	Sadikhan Dearth	..	U.B.	..	..	..	..	..	..	386	124	240	750	4.00	2.00	3.00	9.00	750
Total		..								64,972	37,400	34,868	137,240	411.90	239.80	259.30	911.00	146,968

A—General Dispensaries.

West Dinajpur.

471	Balurghat SadarHospital	..	S.M.	9	9	4	22	14,558	6,540	700	21,798	.70	.36	.90	1.96	22,928
472	Tapan	..	IIIB	..	..	..	..	2,879	1,761	1,996	6,636	19.6	10.1	10.0	39.7	6,636
473	Itahar	..	IIIB	..	..	..	..	2,386	1,368	1,761	5,515	14.0	8.0	11	33	5,515
474	Patiram Charitable	..	IIIB	..	..	..	..	2,394	1,420	900	4,714	15.0	11.0	10	36	4,714
475	Kushmundi		IIIB	..	..	..	..	1,991	857	1,221	4,069	13.0	7.0	5	25	4,069
476	Kaliaganj	..	IIIB	..	..	..	..	3,404	1,649	2,147	7,200	19.0	10.0	11	40	7,200
477	Mallikpur	..	IIIB	..	..	..	..	2,632	1,784	1,581	5,997	16.0	11.0	8	35	5,997
478	Teor Charitable		IIIB	..	..	..	..	2,556	1,462	1,483	5,501	17.6	10.2	10.7	38.6	5,501
479	Balurghat (Homeo Charitable)		IIIB	..	..	..	..	806	688	1,009	2,503	11.0	10.0	14	35	2,503
480	Hili R. S. Charitable	..	IIIB	..	..	..	..	1,476	816	730	3,022	5.0	3.0	3	11	3,022
481	Kumarganj	..	IIIB	..	..	..	..	2,936	1,758	1,920	6,614	17.0	11.0	11	39	6,614
482	Gangarampur Charitable		IIIB	..	..	..	..	2,725	1,162	1,114	5,001	13.0	7.0	7	27	5,001
483	Hemtabad	..	IIIB	..	..	..	..	1,341	810	1,429	3,580	3.0	3.0	5	12	3,580
484	Daulatpur	..	IV	..	..	..	..	150	156	196	502	0.5	0.5	.6	1.6	502
485	Khaspur	..	IV	..	..	..	..	590	397	458	1,445	6.0	4.0	5	16	1,445
Total		..		9	9	4	22	42,824	22,628	18,645	84,097	171.40	106.16	112.20	389.76	85,227

No.	Name of district and dispensaries	Of what class.	Indoor Patients.										
			Total treated during the year.				Number cured.	Number relieved.	Discharged otherwise.	Died.	Ratio of deaths per cent. to total treated.	Number of beds available.	
			Men.	Women.	Children.	Total.						Men.	Women.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
486	Sadar Hospital	I	..	..	..	..	..	..	..	..	..	..	..
487	Alipurduar Subdivisional Hospital.	I	..	..	..	..	..	..	..	..	..	..	..
488	Chengmari Charitable	III	..	..	..	..	..	..	..	..	..	..	..
489	Mal Charitable	III	..	..	..	..	..	..	..	..	..	..	..
490	Rajganj Charitable	III	..	..	..	..	..	..	..	..	..	..	..
491	Matiali Chairtable	III	..	..	..	..	..	..	..	..	..	..	..
492	Dhupguri Charitable	III	..	..	..	..	..	..	..	..	..	..	..
493	Sanuktola Charitable	III	..	..	..	..	..	..	..	..	..	..	..
494	Bhatibari Charitable	III	..	..	..	..	..	..	..	..	..	..	..
495	Madarihah Charitable	III	..	..	..	..	..	..	..	..	..	..	..
496	Nagrakata Charitable	III	..	..	..	..	..	..	..	..	..	..	..
497	Ranghamati Charitable	U.B.	..	..	..	..	..	..	..	..	..	..	..
498	Ramshai Charitable	U.B.	..	..	..	..	..	..	..	..	..	..	..
499	Dharampur Charitable	U.B.	..	..	..	..	..	..	..	..	..	..	..
500	Huchuldanga Charitable	U.B.	..	..	..	..	..	..	..	..	..	..	..
501	Padmahati Charitable	U.B.	..	..	..	..	..	..	..	..	..	..	..
502	Sikerpur Charitable	U.B.	..	..	..	..	..	..	..	..	..	..	..
503	Gadra Charitable	U.B.	..	..	..	..	..	..	..	..	..	..	..
504	Dawkimari Charitable	U.B.	..	..	..	..	..	..	..	..	..	..	..
505	Jalpesh Charitable	IV	..	..	..	..	..	..	..	..	..	..	..
506	Sibbari Charitable	IV	..	..	..	..	..	..	..	..	..	..	..

## A—General Dispensaries.

*Jalpaiguri.*





[illegible]

507	Kumargram Charitable	..	IV	..	..	..	2,728	1,268	1,782	5,778	11.1	5.6	6.9	23.6	5,778
508	Fulkota Charitable	..	IV	..	..	..	2,127	812	1,663	4,602	10.0	4.0	7.0	21.0	4,602
Total				..	..	..	39,016	16,781	23,020	78,871	195.0	93.3	115.7	404.0	78,817

MALDA.

509	Malda Sadar Hospital	..	I	34	18	14	66	8,715	9,009	3,435	21,159	53	61	19	133	23,856
510	Old Malda Charitable Dispensary		III	..	..	..	..	1,034	559	773	2,366	6	3	5	14	2,366
511	Singhabad D. B. Dispensary		IIIB	..	..	..	..	1,145	715	525	2,385	6	5	4	15	2,385
512	Harishchandrapur Charitable Dispensary.		IIIB	..	..	..	..	1,053	589	517	2,159	7	4	3	14	2,159
513	Aiho Charitable Dispensary	..	IIIB	..	..	..	..	849	498	590	1,937	2	1	2	5	1,937
514	Bamangola Charitable Dispensary.		IIIB	..	..	..	..	1,566	775	1,016	3,357	13	5	8	26	3,357
515	Gazole Charitable Dispensary		IIIB	..	..	..	..	2,864	1,586	1,719	6,169	16	8	9	33	6,169
516	Kaliachak Charitable Dispensary.		IIIB	..	..	..	..	3,918	1,720	1,891	7,529	44	20	22	86	7,529
517	Ratua Charitable Dispensary	..	IIIB	..	..	..	..	2,532	1,538	1,871	5,941	22	13	15	50	5,941
518	Pandua Charitable Dispensary		IV	..	..	..	..	702	325	139	1,166	..	..	..	..	1,166
519	B. K. B. Charitable Dispensary		U.B.	..	..	..	..	2,417	1,156	1,242	4,815	24	10	12	46	4,815
520	Milki Charitable Dispensary	..	U.B.	..	..	..	..	969	584	1,156	2,709	13	6	15	34	2,709
521	Panchanandapur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
522	B. R. Sen Charitable Dispensary		U.B.	..	..	..	..	2,425	1,344	2,476	6,245	8	4	8	20	6,245
523	Bhingole Charitable Dispensary		U.B.	..	..	..	..	2,233	1,145	2,262	5,640	7	3.5	7.5	18	5,640
524	Khempur Charitable Dispensary		U.B.	..	..	..	..	850	374	162	1,386	5	3	1	9	1,386
525	Golabganj Charitable Dispensary.		U.B.	..	..	..	..	1,633	801	1,048	3,482	22	11	14	47	3,482
526	Gomhonda Charitable Dispensary.		U.B.	..	..	..	..	763	500	478	1,741	10	6	6	22	1,741
527	Bhaluka Village Dispensary	..	Village	..	..	..	..	2,427	1,503	2,390	6,320	17	10	17	44	6,320
528	Araidanga Dinanath Charitable Dispensary.		Village	..	..	..	..	1,993	1,197	1,664	4,854	21	12	18	51	4,854
Total				..	..	..	..	40,088	25,918	25,354	91,360	296	1,85.5	185.5	667	94,057

No.	Name of district and dispensary.	Of what Class.	Total treated during the year.				In-door patients.					Number of beds available		
							Number cured.	Number relieved.	Discharged otherwise.	Died.	Ratio of deaths per cent. to total treated.	Number of beds available		
			Men.	Women.	Children.	Total.						Men.	Women.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
DARJEELING														
529	Victoria Hospital ..	I	1,813	1,222	398	3,433	1,973	839	381	134	3.9	70	36	
530	Siliguri Subdivision Hospital ..	I	917	541	92	1,550	1,291	50	67	92	6.0	24	4	
531	Kurseong Subdivisional Hospital	I	317	165	52	534	355	26	67	44	8.2	36	14	
532	Itinerant Dispensary	I	..	..	..	..	..	..	..	..	..	..	..	
533	Pedong Hospital ..	I	149	93	25	267	196	58	4	9	3.7	7	7	
534	Clark T. B. Hospital	III	26	14	1	41	5	10	12	14	34.1	16	10	
535	Infectious Disease Hospital ..	III	..	..	..	..	..	..	..	..	..	..	..	
536	Martin Charitable Hospital	III	..	..	..	..	..	..	..	..	..	..	..	
537	Pankubarihat Hospital	III	..	..	..	..	..	..	..	..	..	..	..	
538	Charteris Hospital	IV	2,044	1,420	571	4,035	3,586	59	137	141	3.4	140	112	
Total			5,266	3,455	1,139	9,860	7,406	1,042	668	434	4.4	293	183	

Cooch Behar.

539	M. J. N. Hospital ..	I	1,620	..	29	1,649	952	495	160	75	4.6	..	..			
540	J. D. Hospital ..	I	254	112	34	400	246	31	39	50	12.50	63	12			
541	Mekliganj Charitable ..	I	154	6	..	160	125	20	3	6	3.7	6	2			
542	Haldibari ..	I	16	1	..	17	12	5	..	..	..	4	2			
543	Mathabhanga ..	I	183	8	1	192	127	37	23	3	1.50	6	2			
544	Jamaldah ..	I	..	..	..	..	..	..	..	..	..	..	..			
545	Balabhut Charitable ..	I	..	..	..	..	..	..	..	..	..	..	..			
546	Tufangunj ..	I	214	45	12	271	250	14	3	4	1.47	6	2			
547	Kosheti ..	I	..	..	..	..	..	..	..	..	..	..	..			



[illegible]

No.	Name of district and dispensary.	Of what class.	Indoor patients.					Out-door patients.										Total number of patients treated both in-door and out-door.
			Daily average number.					Number treated.					Average daily attendance.					
								Total treated.										
			Men.	Women.	Children.	Total.		Men.	Women.	Children.	Total.	Men.	Women.	Children.	Total.			
1	2	3	15	16	17	18	19	20	21	22	23	24	25	26	27			
DARJEELING.																		
529	Victoria Hospital	..	I	61.3	48.9	4.2	114.4	6,114	3,534	3,463	13,111	31.3	17.6	19.2	68.1	16,544		
530	Siliguri Subdivision Hospital	..	I	19.0	9.9	4.9	33.8	9,200	3,106	2,596	14,902	44.0	42.0	13.3	99.3	16,452		
531	Kurseong Subdivisional Hospital	..	I	25.9	11.2	4.1	41.2	2,550	1,050	1,208	4,808	10.5	4.5	4.8	19.8	5,342		
532	Itinerant Dispensary	..	I	..	..	..	..	203	28	10	241	5.0	.6	.2	5.8	241		
533	Pedong Hospital	..	I	.4	.3	.1	.8	4,857	1,822	994	7,673	13.2	4.9	2.7	20.8	7,940		
534	Clark T. B. Hospital	..	III	.1	.1	.1	.3	182	100	29	311	2.9	1.2	.2	4.3	352		
535	Infectious Disease Hospital	..	III	..	..	..	..	..	..	..	..	..	..	..	..	..		
536	Martin Charitable Hospital	..	III	..	..	..	..	2,518	1,347	2,337	6,202	17.2	11.0	14.7	42.9	6,202		
537	Pankubarihat Hospital	..	III	..	..	..	..	..	..	..	..	..	..	..	..	..		
538	Charteris Hospital	..	IV	132.4	63.8	27.7	223.8	7,438	1,884	1,418	10,740	38.4	13.2	8.3	59.9	14,775		
Total			..	239.1	134.2	41.1	414.4	33,062	12,871	12,055	57,988	162.5	95.0	63.4	320.9	67,848		

Cooch Behar.																		
539	M. J. N. Hospital	..	I	67.30	..	.81	68.11	..	..	..	..	..	..	..	..	1,649		
540	J. D. Hospital	..	I	30.67	6.06	2.69	39.42	2,475	1,346	991	4,812	12.30	6.95	4.83	24.08	5,212		
541	Mekliganj Charitable	..	I	0.40	0.00	0.00	0.40	5,873	1,870	4,026	11,769	16.00	5.10	11.00	32.10	11,929		
542	Haldibari	..	I	0.20	0.01	..	0.21	3,302	882	1,437	5,621	19.42	5.69	8.82	33.93	5,638		
543	Mathabhanga	..	I	3.15	0.34	0.00	3.49	4,821	1,319	2,280	8,420	20.93	6.51	11.54	38.98	8,612		
544	Jamaldah	..	I	..	..	..	..	2,059	392	609	3,060	9.91	2.00	2.64	14.55	3,060		
545	Balabhut Charitable	..	I	..	..	..	..	2,418	840	1,242	4,500	9.60	3.40	4.80	17.80	4,500		
546	Tufangunj	..	I	4.84	.89	.19	5.92	7,364	3,877	5,344	16,585	32.02	19.70	24.07	75.79	16,856		
547	Kosheti	..	I	..	..	..	..	685	215	873	1,273	6.00	2.00	4.00	12.00	1,273		

548	Dewangunj	..	..	I	..	..	..	..	..	2,027	687	1,494	4,208	5·54	1·88	4·08	11·50	4,208
549	Dewanhat	..	..	I	..	..	..	..	..	2,874	1,028	1,745	5,647	7·88	2·81	4·78	15·47	5,647
550	Kishmat Dasgoan	..	..	I	..	..	..	..	..	89	23	55	167	·70	·10	·40	1·20	167
551	Nazirhat Govt.	..	..	I	..	..	..	..	..	2,189	981	1,336	4,506	19·00	4·00	7·00	30·00	4,506
552	Shebpur	..	..	I	..	..	..	..	..	1,548	649	1,070	3,267	4·00	1·00	3·00	8·00	3,267
553	Deocharai	..	..	I	..	..	..	..	..	2,846	1,113	1,485	5,444	14·50	5·80	7·60	27·90	5,444
554	Baramaricha	..	..	I	..	..	..	..	..	1,475	533	1,139	3,147	4·04	1·46	3·12	8·62	3,147
555	Fulbari	..	..	I	..	..	..	..	..	2,413	796	1,293	4,502	6·60	2·20	3·50	12·30	4,502
556	Nishigunj	..	..	I	..	..	..	..	..	1,798	740	1,103	3,641	4·90	2·00	3·00	9·90	3,641
557	Balarampur	..	..	I	..	..	..	..	..	2,498	1,065	1,047	4,610	9·56	4·15	4·11	17·82	4,610
558	Bamanhat	..	..	I	..	..	..	..	..	2,029	1,030	2,662	5,721	..	..	..	..	5,721
559	Pundibari	..	..	I	..	..	..	..	..	5,778	2,041	2,731	10,550	24·20	8·76	10·80	43·76	10,550
560	Rathandanga	..	..	I	..	..	..	..	..	2,213	637	1,358	4,208	6·00	1·70	3·80	11·50	4,208
561	Shitalkhuchi	..	..	I	..	..	..	..	..	3,901	1,340	2,171	7,412	10·70	3·60	5·90	20·20	7,412
562	Dinhata	..	..	I	0·58	0·09	0·02	0·69	..	5,426	1,416	3,223	10,065	14·80	3·80	8·90	27·50	10,319
563	Natbaria Govt.	..	..	I	..	..	..	..	..	4,399	1,917	2,881	9,197	13·90	6·10	9·20	29·20	9,197
564	Sitai	..	..	I	..	..	..	..	..	3,525	1,448	2,533	7,506	9·60	3·90	6·90	20·40	7,506
565	Gosanimari Govt.	..	..	I	..	..	..	..	..	3,851	1,207	1,982	7,040	18·00	5·00	9·00	32·00	7,040
566	Baneswar	..	..	I	..	..	..	..	..	3,335	1,462	1,789	6,586	14·50	5·60	7·50	27·60	6,586
567	Ghoksardanga	..	..	I	..	..	..	..	..	2,143	1,301	1,114	4,558	7·00	3·80	3·20	14·00	4,558
568	Chilkerhat	..	..	I	..	..	..	..	..	2,796	1,053	2,043	5,892	11·30	4·60	7·90	23·80	5,892
569	Shaheberhat	..	..	I	..	..	..	..	..	1,761	457	830	3,048	4·80	1·20	2·50	8·50	3,048
570	Dighaltari	..	..	I	..	..	..	..	..	1,127	535	832	2,494	3·10	1·40	2·20	6·70	2,494
571	Okrabari	..	..	I	..	..	..	..	..	3,525	1,292	2,255	7,072	9·70	3·50	6·20	19·40	7,072
572	Jalawar	..	..	I	..	..	..	..	..	1,593	560	745	2,898	8·50	3·30	4·30	16·10	2,898
Total		..	..	..	107·14	7·39	3·71	118·24	96,156	36,052	57,218	1,89,426	359·00	133·01	200·59	692·50	192,369	
Mufossil Total		..	..	..	1237·23	701·21	198·79	2137·23	1120077	660,044	685,385	2,465,506	6,596·39	4,136·20	4287·74	15,020·33	2,525,750	
State Total		..	..	..	2816·06	2362·69	861·64	6040·39	1652681	1,078,122	888,112	3,618,915	9842·74	6556·20	5540·96	21939·90	3,837,009	



# STATEMENT D

Showing the number of beds of indoor and outdoor patients, of Surgical operations, and the Geographical distribution of Infectious and other Diseases treated in all classes of medical institutions in the West Bengal State during the year 1952,

Serial No.		Number of patients treated.						Cholera Total treated.			Dangue Total treated.				
		Number of beds.			Indoor.			Outdoor.			Deaths.				
		Males.		Females.	Males.		Females.	Outdoor.		Indoor.	Deaths.	Outdoor.		Indoor.	Deaths.
1	2	3	4	5	6	7	8	9.1	9.2	9.3	10.1	10.2	10.3		
Burdwan Division.															
1	Burdwan	..	..	312	208	9,313	6,112	253,122	162,031	37	73	23	90	1	..
2	Birbhum	..	..	51	21	1,364	1,123	41,206	30,022	10	13	4	..	..	..
3	Bankura	..	..	427	290	5,342	4,225	112,233	82,014	166	66	9	598	4	..
4	Midnapore	..	..	1,105	620	23,156	12,122	461,225	319,114	135	103	18	12	..	..
5	Hooghly	..	..	316	110	14,454	12,242	310,023	122,200	199	229	66	26	..	..
6	Howrah	..	..	479	230	10,296	6,316	218,609	144,727	54	758	169	8	..	..
Total		..	..	2,690	1,479	63,925	42,140	1,396,418	860,108	601	1,242	289	734	5	..

## Presidency Division.

1	24-Parganas	..	..	566	236	6,884	5,417	376,982	226,135	578	9	2	46	..	..
2	Nadia	..	..	493	257	4,525	3,284	202,533	22,366	73	9	5	4	..	..
3	Murshidabad	..	..	303	124	3,122	2,012	104,322	83,302	47	4	..	1	..	..
4	West Dinajpur	..	..	88	29	3,171	1,500	108,471	55,234	18	8	..	..	..	..
5	Jalpaiguri	..	..	57	29	1,336	259	66,240	34,466	3	1	..	..	..	..
6	Maldah	..	..	147	82	2,490	1,854	108,707	67,644	17	6	1	1	..	..
7	Darjeeling	..	..	319	219	5,985	3,944	46,933	27,498	..	3	..	..	..	..
8	Cooch Behar	..	..	190	61	2,516	1,208	85,424	63,303	20	5	3	..	..	..
Total		..	..	2,163	1,037	30,029	19,478	1,099,612	579,948	756	45	11	52	..	..
Total Muffassil		..	..	4,853	2,516	93,954	61,618	2,496,030	1,440,056	1,357	1,287	300	786	5	..
Calcutta		..	..	2,964	2,502	100,253	71,527	754,355	543,240	852	4,652	1,017	73	3	..
Grand Total		..	..	7,817	5,018	194,207	133,145	3,250,385	1,983,296	2,209	5,939	1,317	859	8	..

Serial  
No.

1 2

Burdwan Division.

	Black water fever.			Amoebic Dysentery.			Bacillary Dysentery.			Diarrhoea.		
	Total treated.		Deaths	Total treated.		Deaths.	Total treated.		Deaths.	Total treated..		Deaths.
	Outdoor.	Indoor.		Outdoor.	Indoor.		Outdoor.	Indoor.		Outdoor.	Indoor.	
1 Burdwan	11.1	11.2	11.3	12.1	12.2	12.3	13.1	13.2	13.3	14.1	14.2	14.3
2 Birbhum	..	5	3	8,820	347	12	2,896	145	18	8,555	172	7
3 Bankura	..	..	..	1,623	30	..	76	13	2	1,355	6	..
4 Midnapore	..	152	..	7,217	347	6	3,927	108	9	8,381	196	8
5 Hooghly	..	..	..	19,430	2,111	75	11,042	665	45	25,246	761	34
6 Howrah	..	9	1	11,017	463	34	2,748	89	8	12,763	198	16
	..	..	..	13,089	643	91	2,648	214	26	12,911	215	13

Total

..	166	4	..	61,196	3,941	218	23,337	1,234	108	69,211	1,598	78
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Presidency Division.

1 24-Parganas	..	15	1	..	19,779	179	10	4,383	105	5	23,633	90	2
2 Nadia	..	..	..	..	8,058	79	21	663	19	4	3,765	19	1
3 Murshidabad	..	2	..	..	6,275	276	11	1,244	87	5	5,402	108	1
4 West Dinajpur	..	4	..	..	4,678	137	1	645	73	5	3,454	99	1
5 Jalpaiguri	..	11	..	..	2,341	69	..	850	7	1	2,605	24	1
6 Maldah	..	1	..	..	6,357	106	5	588	24	1	5,932	24	..
7 Darjeeling	..	..	1	..	1,318	141	3	469	116	8	2,850	239	3
8 Cooch Behar	..	2	1	..	6,599	152	8	879	44	8	3,513	92	3

Total

..	35	3	..	55,405	1,139	59	9,721	475	37	51,154	695	12
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Muffassil Total

..	201	7	..	116,601	5,080	277	33,058	1,709	145	120,365	2,243	90
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Calcutta

..	14	44	9	37,958	1,557	47	13,831	1,576	266	489,978	1,107	129
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Grand Total

..	215	51	9	154,559	6,637	324	46,889	3,285	411	169,343	3,350	219
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Serial No.	Names of districts and divisions.	Diphtheria.			Enteric fever.			Syphilis.			Gonococcal infections.		
		Total treated.		Deaths.	Total treated.		Deaths..	Total treated.		Deaths.	Total treated.		Deaths.
		Outdoor.	Indoor.		Outdoor	Indoor.		Outdoor.	Indoor.		Outdoor.	Indoor.	
1	2	15.1	15.2	15.3	16.1	16.2	16.3	17.1	17.2	17.3	1.81	1.82	18.3
Burdwan Division.													
1	Burdwan	..	18	36	12	3,833	398	19	929	55	486	27	..
2	Birbhum	..	2	1	..	398	13	5	102	18	74	1	..
3	Bankura	..	57	10	4	3,481	305	42	950	40	1,413	15	..
4	Midnapore	..	39	121	7	3,056	872	56	1,314	140	2,374	133	1
5	Hooghly	..	26	16	3	2,783	190	18	1,020	27	959	26	..
6	Howrah	..	15	4	..	1,996	254	42	852	30	1,467	18	..
Total		157	188	26	15,547	2,032	182	5,167	310	16	6,773	220	1
Presidency Division.													
1	24-Parganas	..	47	3	..	2,752	241	16	634	9	1,138	2	..
2	Nadia	..	62	1	1	582	66	8	255	5	306	5	..
3	Murshidabad	..	5	1	..	871	64	5	233	7	181	16	..
4	West Dinajpur	..	24	13	..	649	53	1	174	3	235	8	..
5	Jalpaiguri	..	4	..	..	169	..	..	44	6	48	3	..
6	Maldah	..	36	2	1	513	29	2	36	12	95	3	..
7	Darjeeling	..	8	2	1	10	34	4	131	13	118	4	..
8	Cooch Behar	..	2	..	..	127	90	8	124	20	179	5	..
Total		188	22	3	5,673	577	44	1,631	75	1	2,300	46	..
Total Muffassil													
..		345	210	29	21,220	2,609	226	6,798	385	17	9,073	266	1
Calcutta													
..		404	618	85	3,670	2,139	285	8,081	306	13	15,109	152	..
Grand Total													
..		749	828	114	24,890	4,748	511	14,879	691	30	24,182	418	1



Serial No.	Names of districts and divisions.	Soft chandré.				Other diseases of venereal origin.				Influenza.				Total of columns 9 to 21.			
		Total treated.		Deaths.	Total treated.		Deaths.	Total treated.		Deaths.	Total treated.		Deaths.	Total treated.		Deaths.	
		Outdoor.	Indoor.		Outdoor.	Indoor.		Outdoor.	Indoor.		Outdoor.	Indoor.					
1	2	19·1	19·2	19·3	20·1	20·2	20·3	21 1	21·2	21·3	22·1	22·2	22·3				
Burdwan Division.																	
1	Burdwan	..	22	..	396	1	..	12,027	156	..	38,114	1,414	102				
2	Birbhum	..	..	..	9	..	..	3,166	12	..	6,815	107	14				
3	Bankura	..	266	1	532	4	..	12,406	94	..	39,546	1,190	78				
4	Midnapore	..	35	6	759	117	1	36,183	111	..	99,625	5,140	239				
5	Hooghly	..	627	1	112	7	..	11,634	108	2	43,923	1,355	147				
6	Howrah	..	303	3	2,200	20	..	16,449	83	..	51,992	2,242	341				
Total		..	1,253	11	4,008	149	1	91,865	564	2	280,015	11,448	921				

Presidency Division.																	
1	24-Parganas	..	..	47	..	..	178	2	..	19,761	71	..	72,991	712	35		
2	Nadia	..	..	24	2	..	31	1	..	5,385	17	..	19,208	223	40		
3	Murshidabad	..	..	..	..	..	35	2	..	5,200	17	..	19,496	582	22		
4	West Dinajpur	..	..	20	..	..	218	..	..	3,221	32	..	13,340	426	8		
5	Jalpaiguri	..	..	2	..	..	5	1	..	1,053	2	..	7,135	113	2		
6	Maldah	..	..	7	..	..	38	2	..	3,332	2	..	16,953	210	10		
7	Darjeeling	..	..	35	..	..	6	4	..	5,136	396	..	10,081	953	20		
8	Cooch Behar	..	..	..	3	..	68	..	..	2,166	1	..	13,679	413	30		
Total		..	135	5	..	579	12	..	45 254	538	..	172,883	3,632	167			
Total Muffassil		..	1,388	16	..	4,587	161	1	137,119	1,102	2	452,898	15,080	1,088			
Calcutta		..	848	25	..	3,432	56	8	52,906	799	4	186,156	13,034	1,863			
Grand Total		..	2,236	41	..	8,019	217	9	190,025	1,901	6	639,054	28,114	2,951			

Serial No.	Names of districts and divisions.	Total of columns 9 to 21.				Kala-azar.				Leprosy.				Malaria.			
		Total treated		Deaths.	Total treated.		Deaths.	Total treated.		Deaths.	Total treated.		Deaths.				
		Outdoor.	Indoor.		Outdoor.	Indoor.		Outdoor.	Indoor.								
											Outdoor.	Indoor.		Outdoor.	Indoor.		
23 1	23 2	23 3	24 1	24 2	24 3	25 1	25 2	25 3	26 1	26 2			26 3				
1	2																
Burdwan Division.																	
1	Burdwan	..	..	..	38,114	1,414	102	1,256	186	23	72	2	1	197,113	1,417	53	
2	Birbhum	..	..	..	6,815	107	14	50	..	..	8	..	..	18,948	81	1	
3	Bankura	..	..	..	39,546	1,190	78	134	30	2	1,646	483	14	40,548	735	18	
4	Midnapore	..	..	..	99,625	5,140	239	368	585	17	14,825	68	3	250,137	6,439	70	
5	Hooghly	..	..	..	43,923	1,355	147	1,089	403	6	37	..	..	189,614	2,587	23	
6	Howrah	..	..	..	51,992	2,242	341	667	309	12	1,131	4	..	93,398	1,732	54	
Total		..	280,015	11,448	921	3,564	1,513	60	17,719	557	18	789,758	12,991	219			
Presidency Division.																	
1	24-Parganas	..	..	..	71,991	712	35	1,824	89	5	50	..	..	183,480	922	14	
2	Nadia	..	..	..	19,208	223	40	1,790	92	10	112	..	..	108,139	693	7	
3	Murshidabad	..	..	..	19,496	582	22	3,341	502	12	25	4	..	81,289	971	4	
4	West Dinajpur	..	..	..	13,340	426	8	986	267	8	68	..	..	84,568	905	5	
5	Jalpaiguri	..	..	..	7,135	113	2	131	20	1	16	2	..	56,339	751	5	
6	Malda	..	..	..	16,953	210	10	2,358	216	11	11	1	..	57,043	572	13	
7	Darjeeling	..	..	..	10,081	953	20	39	212	14	37	56	5	7,223	1,200	41	
8	Cooch Behar	..	..	..	13,679	413	30	675	154	8	6	1	..	50,316	930	7	
Total		..	172,883	3,632	167	11,144	1,552	69	325	64	5	628,397	6,944	96			
Total Muffassil		..	452,898	15,080	1,088	14,708	3,065	129	18,044	621	23	1,418,155	19,935	315			
Calcutta		..	186,156	13,034	1,863	3,928	682	57	9,839	6	..	90,215	5,169	191			
Grand Total		..	639,054	28,114	2,951	18,636	3,747	186	27,883	627	23	1,508,370	25,104	506			

Serial  
No.

Names of districts and divisions.

1 2

Burdwan Division.

	Measles.			Meningococcal infection.			Plague.			Pneumonia.		
	Total treated.		Deaths.	Total treated.		Deaths.	Total treated.		Deaths.	Total treated.		Deaths.
	Outdoor.	Indoor.		Outdoor.	Indoor.		Outdoor.	Indoor.		Outdoor.	Indoor.	
1	27·1	27·2	27·3	28·1	28·2	28·3	29·1	29·2	29·3	30·1	30·2	30·3
1	..	..	..	..	..	..	..	..	..	..	..	..
2	364	5	..	5	16	11	..	1	..	3,234	344	40
3	115	8	1	6	1	1	..	..	..	689	19	6
4	707	7	..	105	5	3	..	..	..	1,605	231	26
5	400	18	1	66	52	16	..	..	..	3,366	1,224	55
6	257	14	..	11	31	8	..	..	..	2,099	268	19
7	466	19	..	10	6	1	..	1	..	800	249	67
Total	2,309	71	2	203	111	40	..	2	..	11,793	2,335	213

Presidency Division.

1	24-Parganas	..	..	472	2	..	2	..	..	3,137	131	10
2	Nadia	..	..	279	1	..	64	..	..	992	39	6
3	Murshidabad	..	..	288	..	..	5	10	..	1,488	86	5
4	West Dinajpur	..	..	119	14	..	5	1	..	1,199	73	4
5	Jalpaiguri	..	..	284	..	..	4	..	..	715	12	1
6	Malda	..	..	109	..	..	18	..	..	881	28	1
7	Darjeeling	..	..	153	9	..	8	8	15	106	172	20
8	Cooch Behar	..	..	56	..	..	1	4	..	818	116	3
Total	..	..	..	1,760	26	..	165	29	15	9,336	657	50
Total Muffassil	..	..	..	4,069	97	2	368	140	17	21,129	2,992	263
Calcutta	..	..	..	1,088	164	13	351	692	62	5,879	2,127	392
Grand Total	..	..	..	5,157	261	15	719	832	79	27 006	5,119	655



Serial No.	Names of districts and division s.	Relapsing fever.				Rheumatic fever.				Sandfly fever.				Small-pox.			
		Total treated.		Deaths.		Total treated.		Deaths.		Total treated.		Deaths.		Total treated.		Deaths.	
		Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.
1	2	31·1	31·2	31·3	32·1	32·2	32·3	33·1	33·2	33·3	34·1	34·2	34·3				
Burdwan Division.																	
1	Burdwan	..	22	..	789	16	..	20	1	..	42	18	6				
2	Birbhum	..	2	..	467	5	..	..	..	..	16	63	9				
3	Bankura	..	748	2	1,215	31	1	..	..	..	74	10	..				
4	Midnapore	..	237	33	9,731	392	4	5	2	..	38	32	1				
5	Hooghly	..	36	..	2,050	160	2	10	23	..	55	45	5				
6	Howrah	..	78	27	5,200	81	2	2	37	..	18	24	1				
Total		1,123	62	2	19,452	685	9	37	63	..	243	192	22				

Presidency Division.

1	24-Parganas	..	106	..	2,563	37	..	3	..	..	59	1	..				
2	Nadia	..	25	..	569	2	..	15	..	..	29	..	..				
3	Murshidabad	..	501	..	2,091	64	..	..	..	..	24	1	1				
4	West Dinajpur	..	471	27	1,141	13	..	..	..	..	28	20	..				
5	Jalpaiguri	..	1	..	176	4	..	..	..	..	68	1	..				
6	Malda	..	442	..	1,546	18	..	624	7	..	1	..	..				
7	Darjeeling	..	..	..	266	65	..	..	2	..	14	3	..				
8	Cooch Behar	..	24	..	2,720	41	..	..	..	..	4	25	..				
Total		1,570	27	..	11,072	244	..	642	9	..	227	51	1				
Total Muffassil																	
..		2,693	89	2	30,524	929	9	679	72	..	470	243	23				
Calcutta																	
..		101	20	..	6,662	229	7	..	..	..	243	235	32				
Grand Total																	
..		2,794	109	2	37,186	1,158	16	679	72	..	713	478	55				

Serial No.	Names of districts and divisions.	Tuberculosis of lung.			Tuberculosis of joints.			Meningeal Tuberculosis.			Other forms of Tuberculosis.			
		Total treated.		Deaths.	Total treated.		Deaths.	Total treated.		Deaths.	Total treated.		Deaths.	
		Outdoor.	Indoor.		Outdoor.	Indoor.		Outdoor.	Indoor.		Outdoor.	Indoor.		
Burdwan Division.														
1	Burdwan	..	775	329	74	41	18	..	12	12	5	1,267	39	4
2	Birbhum	..	642	24	1	4	2	..	..	..	..	40	1	1
3	Bankura	..	1,137	26	3	139	11	1	5	..	..	207	33	..
4	Midnapore	..	1,690	255	35	32	17	1	..	1	1	98	39	5
5	Hooghly	..	1,778	155	55	36	14	..	1	11	4	281	4	..
6	Howrah	..	1,595	280	15	3	..	..	21	2	2	125	22	6
Total		..	7,617	1,069	183	255	62	2	39	26	12	2,018	138	16

**Presidency Division.**

1	24-Parganas	..	6,043	970	89	77	8	..	5	3	2	189	9	1
2	Nadia	..	407	582	108	9	3	..	9	..	..	32	4	..
3	Murshidabad	..	412	3	..	1	..	..	..	..	..	6	2	..
4	West Dinaipur	..	231	5	1	10	..	..	1	..	..	24	1	..
5	Jalpaiguri	..	144	12	..	13	..	..	..	..	..	3	..	..
6	Maldah	..	175	5	..	..	2	..	..	..	..	3	4	..
7	Darjeeling	..	284	208	37	3	8	..	..	3	1	63	76	14
8	Cooch Behar	..	200	82	16	4	6	..	1	1	..	4	11	..
Total		..	7,896	1,867	251	117	27	..	16	7	3	324	107	15
<hr/>														
Total Muffassil		..	15,513	2,936	434	372	89	2	55	33	15	2,342	245	31
<hr/>														
Calcutta		..	32,580	1,624	327	791	302	16	135	211	145	2,025	470	59
<hr/>														
Grand Total		..	48,093	4,560	761	1,163	391	18	190	244	160	4,367	715	90

Serial No.	Names of districts and divisions.	Typhus Fever.										Total of columns 21(a) to 38.				
		Louse.					Tick.									
		Total treated.			Deaths.		39·1	Total treated.		Deaths.		41·1	Total treated.		Deaths.	
		39·2	39·3	40·1	40·2	40·3		41·2	41·3							
1	2															
Burdwan Division.																
1	Burdwan	40	..	..	..	3	..	243,166	3,821	319						
2	Birbhum	..	..	..	..	..	..	27,802	311	34						
3	Bankura	28	..	..	..	..	..	87,844	2,794	146						
4	Midnapore	23	..	..	..	..	..	380,641	14,297	448						
5	Hooghly	..	..	..	..	..	..	241,277	5,070	269						
6	Howrah	..	..	..	..	..	..	155,506	5,035	503						
Total		91	..	..	..	3	..	1,136,236	31,328	1,719						
Presidency Division.																
1	24-Parganas	..	..	..	..	..	..	271,063	2,886	156						
2	Nadia	..	..	..	..	..	..	131,740	1,643	174						
3	Murshidabad	..	..	..	..	..	..	108,967	2,225	44						
4	West Dinajpur	..	..	..	..	..	..	102,191	1,752	27						
5	Jalpaiguri	..	..	..	..	..	..	65,029	915	9						
6	Maldah	..	..	..	..	..	..	80,164	1,063	35						
7	Darjeeling	..	..	..	..	1	..	18,277	2,991	156						
8	Cooch Behar	..	..	..	..	..	..	68,508	1,784	66						
Total		..	..	..	..	1	..	845,939	15,259	667						
Total Muffassil		91	..	..	..	4	..	1,982,175	46,587	2,386						
Calcutta		8	3	..	..	8	2	340,001	25,038	3,480						
Grand Total		99	3	..	..	12	2	2,322,176	71,625	5,866						



Serial No.	Names of districts and divisions.	Total of columns 21(b) to 38.				Typhus Fever.		Pyrexia of uncertain origin and other diseases due to infection.		Ankylostomiasis.	
		Total treated.		Deaths.		Unknown vector.		Total treated.		Total treated.	
		Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.
1	2	42.1	42.2	42.3	43.1	43.2	43.3	44.1	44.2	45.1	45.3
<b>Burdwan Division.</b>											
1	Burdwan ..	243,166	3,821	319	22	1	..	6,502	137	140	b ..
2	Birbhum ..	27,802	311	34	..	..	..	2,838	54	23	.. ..
3	Bankura ..	87,844	2,794	146	..	..	..	3,890	213	255	69 1
4	Midnapore ..	380,641	14,297	448	..	..	..	15,185	437	567	62 3
5	Hooghly ..	241,277	5,070	269	..	..	..	7,671	155	369	11 1
6	Howrah ..	155,506	5,035	503	..	..	..	13,540	165	368	54 ..
Total of Burdwan Division ..		1,136,236	31,328	1,719	22	1	..	49,628	1,161	1,722	201 5
<b>Presidency Division.</b>											
1	24-Parganas ..	271,063	2,886	156	..	..	..	21,014	131	604	3 ..
2	Nadia ..	131,740	1,643	174	..	..	..	3,623	32	262	3 1
3	Murshidabad ..	108,967	2,225	45	..	..	..	3,023	26	73	.. ..
4	West Dinajpur ..	102,191	1,752	27	..	..	..	1,220	117	153	9 ..
5	Jalpaiguri ..	65,029	915	9	..	..	..	115	24	58	5 ..
6	Maldah ..	80,164	1,083	35	..	..	..	3,853	27	604	45 ..
7	Darjeeling ..	18,277	2,991	156	..	..	..	3,254	254	207	664 5
8	Cooch Behar ..	63,508	1,784	66	..	..	..	2,275	110	76	27 ..
Total of Presidency Division ..		845,939	15,259	668	..	..	..	38,377	721	2,037	756 6
Muffassil Total ..		1,982,175	46,587	2,387	22	1	..	83,003	1,882	3,788	957 11
Calcutta ..		340,001	45,038	3,480	..	1	..	43,243	1,090	3,879	272 7
Grand Total ..		2,322,176	71,625	5,867	22	2	..	131,246	2,972	7,638	1,229 18

Serial No.	Names of districts and divisions.	Guinea-worm disease.				Filariasis.				Scabies.				Other diseases due to metazoan parasites.			
		Total treated.		Deaths.		Total treated.		Deaths.		Total treated.		Deaths.		Total treated.		Deaths.	
		Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.
1	2	46·1	46·2	46·3		47·1	47·2	47·3		48·1	48·2	48·3		49·1	49·2	49·2	
Burdwan Division.																	
1	Burdwan	327	18	..		211	36	..		6,956	37	..		1,366	19	1	
2	Birbhum	26	..	..		146	5	..		1,493	1	..		131	..	..	
3	Bankura	69	..	..		830	37	..		5,596	72	..		1,104	3	..	
4	Midnapore	2,129	19	..		1,288	270	1		34,061	185	..		4,392	67	2	
5	Hooghly	278	..	..		154	19	..		7,785	34	..		1,498	6	..	
6	Howrah	234	..	..		256	13	..		11,846	22	..		1,714	14	1	
Total of Burdwan Division		3,063	37	..		2,885	380	1		67,737	351	..		10,205	109	4	

Presidency Division.

1	24-Parganas	911	2	..		208	12	..		19,445	5	..		4,151	32	..	
2	Nadia	134	..	..		135	6	..		7,536	1	..		706	3	..	
3	Murshidabad	44	..	..		54	..	..		7,432	21	..		699	1	..	
4	West Dinajpur	100	32	..		36	1	..		3,137	14	..		362	8	..	
5	Jalpaiguri	..	..	..		54	2	..		2,174	3	..		1,459	2	..	
6	Maldah	12	..	..		164	7	..		3,896	7	..		858	30	..	
7	Darjeeling	412	..	..		..	2	..		1,869	19	..		4,239	815	1	
8	Cooch Behar	508	..	..		39	13	1		5,524	1	..		675	6	..	
Total of Presidency Division		2,121	34	..		690	43	1		51,013	71	..		13,149	897	1	
Muffassil Total																	
..		5,184	71	..		3,575	423	2		118,750	422	..		23,354	1,006	5	
Calcutta																	
..		30	3	..		4,460	172	2		41,480	19	..		7,641	241	3	
Grand Total																	
..		5,214	74	..		8,035	595	4		160,230	441	..		30,995	1,247	8	

Serial No.	Names of districts and divisions.	Tumours—benign.				Tumours—Malignant.							
		Total treated.		Deaths.		Mouth.		Oesophagus and Stomach.		Intestines.			
		Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.
1	2	50·1	50·2	50·3		51·1	51·2	51·3	52·1	52·2	52·3	53·1	53·3
<b>Burdwan Division.</b>													
1	Burdwan	152	78	7		1	..	..	2	11	4	4	5
2	Birbhum	1	1	..		..	..	..	..	..	..	..	..
3	Bankura	212	49	1	3	15	3	..	35	9	1	5	..
4	Midnapore	118	43	..	12	11	12	..	..	2	1	2	8
5	Hooghly	26	13	..	3	3	..	..	..	2	..	..	1
6	Howrah	113	9	..	1	1	..	..	1	..	..	..	1
Total of Burdwan Division		622	193	8	31	15	..	..	38	24	6	11	15
<b>Presidency Division.</b>													
1	24-Parganas	159	5	..	22	..	..	..	..	..	..	..	..
2	Nadia	34	2	..	131	..	..	..	75	..	..	3	1
3	Murshidabad	17	..	..	79	..	..	..	..	..	..	..	..
4	West Dinajpur	39	..	..	53	10	..	..	7	..	..	68	..
5	Jalpaiguri	32	..	..	..	..	..	..	..	1	..	125	..
6	Maldah	13	..	..	5	..	..	..	..	..	..	..	6
7	Darjeeling	2	7	1	..	..	4	1	..	5	1	..	32
8	Cooch Behar	4	8	..	..	..	..	..	189	1	..	..	..
Total of Presidency Division		300	22	1	290	14	1	1	271	7	1	196	39
Muffassil Total		922	215	9	321	29	1	1	309	31	7	207	54
Calcutta		2,724	541	1	9,024	251	4	4	382	103	33	164	39
Grand Total		3,646	756	10	9,345	280	5	5	691	134	40	371	93





Serial No. Name of Districts and Divisions.

Serial No.	Name of Districts and Divisions.	Tumour —Malignat.									
		Skin.				Other .					
		Total treated.		Death .	Total treated.	Death .	Total treated.		Death .	Total treated.	
		Outdoor.	Indoor.		Outdoor.	Indoor.	Outdoor.	Indoor.		Outdoor.	Indoor.
1	2	58.1	58.2	58.3	59.1	59.2	59.3	60.1	60.2	60.3	
Burdwan Division											
1	Burdwan	3	3	—	13	25	7	258,881	4,221	348	
2	Birbhum	2	—	—	67	..	..	32544	372	39	
3	Bankura	69	10	..	53	20	1	100,208	3,310	163	
4	Midnapore	124	33	..	175	63	1	438,740	15,590	478	
5	Hooghly	67	..	—	—	1	1	259,132	5,323	282	
6	Howrah	1	..	..	8	12	8	183,617	5,342	517	
Total of Burdwan Division		266	46	..	316	121	18	1,273,122	34,167	1,827	

Presidency Division.

1	24-Parganas	..	..	..	143	2	..	20	3	1	317,747	3,082	162
2	Nadia	..	..	..	74	..	..	2	2	1	144,477	1,693	184
3	Murshidabad	..	..	..	124	..	..	120	1	1	120,665	2,274	46
4	West Dinajpur	..	..	..	58	10	..	30	..	..	107,487	1,965	28
5	Jalpaigury	..	..	..	214	..	..	..	..	..	69,272	952	9
6	Maldah	..	..	..	74	1	..	..	1	..	89,645	1,189	35
7	Darjeeling	..	..	..	..	..	..	..	3	..	28,263	4,823	170
8	Cooch Behar	..	..	..	928	4	..	..	6	..	78,726	1,962	69
Total of Presidency Division		..	..	..	1,615	17	..	172	16	3	956,282	17,940	703
Muffassil Total													
..	..	..	..	..	1,881	63	..	488	137	21	2,229,404	52,107	2,530
Calcutta													
..	..	..	..	..	320	43	2	4,984	622	57	460,002	29,044	3,704
Grand Total													
..	..	..	..	..	2,201	106	2	5,472	759	78	2,689,406	81,151	6,234

Serial No.	Names of Districts and Divisions.	Total of columns 38(b) to 55.				Diseases of nervous system.				Mental diseases.				Trachoma.			
		Total treated.		Deaths.		Total treated.		Deaths.		Total treated.		Deaths.		Total treated.		Deaths.	
		Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.
1	2	61.1	61.2	61.3	62.1	62.2	62.3	63.1	63.2	63.3	64.1	64.2	64.3				
<b>Burdwan Division.</b>																	
1	Burdwan ..	258,881	4,221	348	2,804	204	30	19	10	..	219	26	..				
2	Birbhum ..	32,544	372	39	1,066	21	..	2	1	..	38	..	..				
3	Bankura ..	100,208	3,310	163	2,932	216	10	327	13	..	128	6	..				
4	Midnapore ..	438,740	15,599	478	6,403	517	34	393	38	1	687	14	..				
5	Hooghly ..	259,132	5,323	282	2,884	103	5	78	9	..	214	2	..				
6	Howrah ..	183,617	5,342	517	4,008	165	23	36	5	..	887	..	..				
Total of Burdwan Division		1,273,122	34,167	1,827	20,097	1,226	102	855	76	1	2,173	48	..				
<b>Presidency Division.</b>																	
1	24-Parganas ..	317,747	3,082	162	5,539	59	3	76	6	..	481	1	..				
2	Nadia ..	144,477	1,693	184	1,073	34	1	38	7	..	149	..	..				
3	Murshidabad ..	120,665	2,274	46	1,800	65	5	26	..	..	79	..	..				
4	West Dinajpur ..	107,487	1,965	28	1,395	7	..	34	5	..	37	..	..				
5	Jalpaiguri ..	69,272	952	9	489	10	..	8	7	..	2	2	..				
6	Maldah ..	89,645	1,189	35	2,496	25	..	61	..	..	52	..	..				
7	Darjeeling ..	28,263	4,823	170	1,027	71	3	3	2	..	..	1	..				
8	Cooch Behar ..	78,726	1,962	69	1,140	25	6	9	10	..	3	..	..				
Total of Presidency Division		956,282	17,940	703	14,959	296	18	255	37	..	803	4	..				
<b>Muffassil Total</b>																	
Muffassil Total		2,229,404	52,107	2,530	35,056	1,522	120	1,110	113	1	2,976	52	..				
<b>Calcutta</b>																	
Calcutta		460,002	29,044	3,704	8,754	1,693	484	1,696	70	9	4,495	43	..				
<b>Grand Total</b>																	
Grand Total		2,689,406	81,151	6,234	43,810	3,215	604	2,806	183	10	7,471	95	..				



Serial No.	Names of Districts and Divisions.	Glaucoma.			Cataract.			Other diseases of the eye.			Diseases of the ear.		
		Total treated.		Deaths.	Total treated.		Deaths.	Total treated.		Deaths.	Total treated.		Deaths.
		Outdoor.	Indoor.		Outdoor.	Indoor.		Outdoor.	Indoor.		Outdoor.	Indoor.	
1	2	65·1	65·2	65·3	66·1	66·2	66·3	67·1	67·2	67·3	68·1	68·2	68·3
<b>Burdwan Division.</b>													
1	Burdwan ..	22	18	..	71	196	..	14,414	132	1	9,056	22	..
2	Birbhum ..	1	..	..	593	73	..	3,997	29	..	2,602	..	..
3	Bankura ..	71	33	..	1,295	162	..	7,646	262	2	4,985	35	..
4	Midnapore ..	87	3	..	1,040	107	..	28,298	569	..	23,755	162	..
5	Hooghly ..	135	66	..	2,322	830	..	17,263	8,296	..	7,823	15	..
5	Howrah ..	40	2	..	1,655	156	..	24,446	116	..	9,906	42	..
Total of Burdwan Division ..		356	122	..	6,976	1,524	..	96,064	9,404	3	58,127	276	..
<b>Presidency Division.</b>													
1	24-Parganas ..	233	3	..	570	52	..	27,288	45	..	20,744	6	..
2	Nadia ..	32	..	..	284	83	..	12,234	36	..	4,890	2	..
3	Murshidabad ..	6	..	..	1,388	8	..	8,082	32	..	5,394	10	..
4	West Dinajpur ..	21	..	..	88	..	..	4,267	78	..	2,970	10	..
5	Jalpaiguri ..	8	2	..	23	36	..	1,856	45	..	1,229	4	..
6	Maldah ..	37	..	..	156	7	..	10,594	39	..	6,505	7	..
7	Darjeeling ..	..	..	..	25	50	2	2,297	81	..	1,231	10	..
8	Cooch Behar ..	7	2	..	92	82	..	5,746	77	..	4,351	3	..
Total of Presidency Division ..		344	7	..	2,626	318	2	72,364	433	..	47,314	52	..
<b>Muffassil Total</b>													
Muffassil Total ..		700	129	..	9,602	1,842	2	168,428	9,837	3	105,441	328	..
<b>Calcutta</b>													
Calcutta ..		3,930	586	7	20,063	3,902	..	111,328	2,919	5	35,677	261	..
<b>Grand Total</b>													
Grand Total ..		4,630	715	7	29,665	5,744	2	279,756.	12,756	8	141,118	589	..

Serial No.	Names of Districts and Divisions.	Diseases of the nose.				Diseases of the circulatory system.				Diseases of blood and spleen.				Inflammation of lymphatic glands and vessels.			
		Total treated.		Deaths.		Total treated.		Deaths.		Total treated.		Deaths.		Total treated.		Deaths.	
		Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.
1	2	69.1	69.2	69.3		70.1	70.2	70.3		71.1	71.2	71.3		72.1	72.2	72.3	
<b>Burdwan Division.</b>																	
1	Burdwan ..	1,605	26	2		2,107	178	32		1,400	167	16		2,080	31	..	
2	Birbhum ..	207	2	..		322	13	4		311	16	..		275	4	..	
3	Bankura ..	1,339	33	..		923	196	26		1,217	115	8		1,497	17	..	
4	Midnapore ..	3,002	47	..		2,011	518	52		3,499	428	39		4,128	88	..	
5	Hooghly ..	937	19	..		712	66	11		1,570	155	15		2,650	37	..	
6	Howrah ..	2,123	16	..		1,800	108	10		2,204	180	28		1,990	46	..	
Total of Burdwan Division ..		9,213	143	2		7,875	1,079	135		10,201	1,061	106		12,620	223	..	
<b>Presidency Division.</b>																	
1	24-Parganas ..	2,693	5	..		1,271	26	1		2,799	83	7		3,406	9	..	
2	Nadia ..	303	1	..		221	15	3		324	14	..		1,138	4	..	
3	Murshidabad ..	307	5	..		841	15	3		201	15	..		535	22	..	
4	West Dinajpur ..	353	3	..		296	3	1		863	100	3		845	23	..	
5	Jalpaiguri ..	148	1	..		166	5	1		540	..	..		231	8	..	
6	Maldah ..	858	4	..		773	22	1		1,197	53	4		651	7	..	
7	Darjeeling ..	196	11	..		149	98	29		1,118	283	24		346	31	..	
8	Cooch Behar ..	435	6	..		281	18	..		976	24	3		299	17	..	
Total of Presidency Division ..		5,293	36	..		3,998	202	39		8,018	572	41		7,451	121	..	
<b>Muffassil Total</b>																	
Muffassil Total ..		14,506	179	2		11,873	1,281	174		18,219	1,633	147		20,071	344	..	
<b>Calcutta</b>																	
Calcutta ..		13,455	323	1		4,852	1,325	288		6,323	1,084	139		13,922	479	5	
<b>Grand Total</b>																	
Grand Total ..		27,961	502	3		16,725	2,606	462		24,542	2,717	286		33,993	823	5	

Serial No.	Names of Districts and Divisions	Other diseases of the lymphatic system.				Goitre.				Other diseases of the ductless glands.				Diseases of the breast excluding tumours.			
		Total treated.		Deaths.		Total treated.		Deaths.		Total treated.		Deaths.		Total treated.		Deaths.	
		Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.
1	2	73·1	73·2	73·3	74·1	74·2	74·3	75·1	75·2	75·3	76·1	75·2	76·3				
<b>Burdwan Division.</b>																	
1	Burdwan .. ..	582	2	1	18	2	..	80	6	..	174	4	..				
2	Birbhum .. ..	79	..	..	..	1	..	60	..	..	5	..	..				
3	Bankura .. ..	294	11	..	49	2	..	322	13	..	431	10	..				
4	Midnapore .. ..	899	55	..	68	20	..	284	20	..	389	116	1				
5	Hooghly .. ..	493	5	1	53	..	..	137	6	..	114	8	..				
6	Howrah .. ..	721	2	..	7	..	..	306	1	..	154	3	..				
	Total of Burdwan Division ..	3,068	75	2	195	25	..	1,189	46	..	1,267	141	1				

<b>Presidency Division.</b>																	
1	24-Parganas .. ..	2,183	1	..	64	3	..	157	..	..	178	1	..				
2	Nadia .. ..	218	..	..	127	..	..	102	..	..	90	1	..				
3	Murshidabad .. ..	45	1	..	24	..	..	20	..	..	73	2	..				
4	West Dinajpur .. ..	105	..	..	952	..	..	99	..	..	33	..	..				
5	Jalpaiguri .. ..	33	..	..	640	..	..	22	..	..	21	..	..				
6	Maldah .. ..	37	..	..	3,658	1	..	21	1	..	107	1	..				
7	Darjeeling .. ..	9	..	..	2,562	1	..	56	..	..	27	5	..				
8	Cooch Behar .. ..	714	2	..	3,628	3	..	10	2	..	74	2	..				
	Total of Presidency Division ..	3,344	4	..	11,655	8	..	487	3	..	603	12	..				
<b>Muffassil Total</b>																	
	Calcutta .. ..	754	130	1	343	104	5	128	48	3	910	66	..				
	Grand Total .. ..	7,166	209	3	12,198	137	5	1,804	97	3	2,780	219	1				



Serial No.	Names of Districts and Divisions.	Diabetes.				Beri-beri				Total of columns 55(b) to 72			
		Total treated.		Deaths.		Total treated.		Deaths.		Total treated.		Deaths.	
		Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.
1	2	77.1	77.2	77.3		78.1	78.2	78.3		79.1	79.2	79.3	
Burdwan Division.													
1	Burdwan	50	26	2		70	..	..		293,652	5,271	432	
2	Birbhum	8	..	..		1	..	..		42,111	532	43	
3	Bankura	141	24	1		65	3	1		123,870	4,461	211	
4	Midnapore	124	54	3		21	85	2		513,828	18,440	610	
5	Hooghly	65	9	1		38	..	..		296,620	14,949	315	
6	Howrah	127	23	..		58	1	..		234,085	6,208	578	
	Total of Burdwan Division	515	136	7		253	89	3		1,504,166	49,861	2,189	
Presidency Division.													
1	24-Parganas	144	2	..		202	2	..		385,775	3,386	173	
2	Nadia ..	36	2	..		5	..	..		165,741	1,892	188	
3	Murshidabad	19	2	..		2	3	..		139,507	2,454	54	
4	West Dinajpur	60	1	..		11	..	..		119,916	2,195	32	
5	Jalpaiguri	13	4	..		..	1	..		74,701	1,077	10	
6	Maldah	22	2	..		4	..	..		116,474	1,358	40	
7	Darjeeling	12	4	..		..	..	..		37,321	5,471	228	
8	Cooch Behar	27	12	1		6	1	..		96,524	2,248	79	
	Total of Presidency Division	333	29	1		230	7	..		1,136,359	20,081	804	
	Muffassil Total	848	165	8		483	96	3		2,640,525	69,942	2,993	
	Calcutta	1,381	223	21		295	8	1		688,313	42,308	4,673	
	Grand Total	2,229	388	29		778	104	4		3,328,838	112,250	7,666	

Serial No.	Names of Districts and Divisions.	Total of columns 38(a) to 72.				Epidemic dropsy				Osteomalacia.				Rickets.			
		Total treated.		Deaths.		Total treated.		Deaths.		Total treated.		Deaths.		Total treated.		Deaths.	
		Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.
1	2	80.1	80.2	80.3		81.1	81.2	81.3		82.1	82.2	82.3		83.1	83.2	83.3	
<b>Burdwan Division.</b>																	
1	Burdwan	..	..	..	432	231	3	..		42	2	..		169	4	..	
2	Birbhum	..	..	..	43	29	..	..		1	..	..		1	..	..	
3	Bankura	..	..	..	211	67	7	1		41	3	..		549	14	1	
4	Midnapore	..	..	..	610	542	65	5		132	23	..		1,625	90	7	
5	Hooghly	..	..	..	315	212	9	2		20	16	2		683	6	..	
6	Howrah	..	..	..	578	85	12	..		105	7	..		240	6	1	
Total of Burdwan Division		..	1,504,166	49,861	2,189	1,166	96	8		341	51	2		3,267	120	9	

<b>Presidency Division.</b>																	
1	24-Parganas	..	..	..	173	218	6	..		16	6	..		463	13	..	
2	Nadia	..	..	..	188	406	..	..		9	..	..		745	..	..	
3	Murshidabad	..	..	..	54	81	9	2		1	1	..		76	1	..	
4	West Dinajpur	..	..	..	32	134	2	..		14	..	..		89	..	..	
5	Jalpaiguri	..	..	..	10	10	..	..		1	..	..		30	5	..	
6	Maldah	..	..	..	40	5	..	..		7	1	..		35	1	..	
7	Darjeeling	..	..	..	228	1	..	..		5	27	1		9	4	2	
8	Cooch Behar	..	..	..	79	20	39	..		..	..	..		175	1	..	
Total of Presidency Division		..	1,136,359	20,081	804	875	56	2		53	35	1		1,622	25	2	
Muffassil Total																	
Muffassil Total		..	2,640,525	69,942	2,993	2,041	152	10		394	86	3		4,889	145	11	
Calcutta																	
Calcutta		..	688,313	42,308	4,673	832	30	1		437	18	2		935	48	2	
Grand Total																	
Grand Total		..	3,328,838	112,250	7,666	2,873	182	11		831	104	5		5,824	193	13	

Serial No.	Names of Districts and Divisions.	Scurvy.			Xerophthalmia.			Other diseases due to deficiency or to disorders of nutrition or metabolism.			Hydrocele.		
		Total treated.		Deaths.	Total treated.		Deaths.	Total treated.		Deaths.	Total treated.		Deaths.
		Outdoor.	Indoor.		Outdoor.	Indoor.		Outdoor.	Indoor.		Outdoor.	Indoor.	
1	2	84·1	84·2	84·3	85·1	85·2	85·3	86·1	86·2	86·3	87·1	87·2	87·3
Burdwan Division.													
1	Burdwan ..	3	..	..	43	..	..	2,324	169	21	151	165	..
2	Birbhum ..	..	..	..	..	..	..	275	14	2	81	55	..
3	Bankura ..	6	..	..	158	..	..	1,975	99	3	397	128	1
4	Midnapore ..	520	4	1	714	13	..	5,314	282	32	214	143	..
5	Hooghly ..	18	..	..	44	5	..	1,867	719	64	381	176	1
6	Howrah ..	1	..	..	64	..	..	1,718	112	14	447	166	..
Total of Burdwan Division ..		548	4	1	1,023	18	..	13,473	1,395	136	1,671	833	2
Presidency Division.													
1	24-Parganas ..	15	..	..	59	1	..	2,001	46	8	62	58	..
2	Nadia ..	..	..	..	11	2	..	1,204	33	16	28	19	..
3	Murshidabad ..	..	..	..	14	..	..	557	36	1	35	5	..
4	West Dinajpur ..	27	..	..	21	..	..	585	33	..	51	8	..
5	Jalpaiguri ..	..	..	..	13	..	..	444	27	4	13	4	..
6	Maldah ..	23	..	..	19	..	..	1,573	43	..	229	53	..
7	Darjeeling ..	..	..	..	..	..	..	392	44	6	2	8	..
8	Cooch Behar ..	..	..	..	103	1	..	1,175	108	14	54	37	..
Total of Presidency Division ..		65	..	..	240	4	..	7,931	370	49	474	192	..
Muffassil Total ..		613	4	1	1,263	22	..	21,404	1,765	185	2,145	1,025	2
Calcutta ..		74	2	..	1,282	6	..	18,566	1,153	215	7,637	1,363	..
Grand Total ..		687	6	1	2,545	28	..	39,970	2,918	400	9,782	2,388	2



Serial No.	Names of Districts and Divisions.	Other diseases of the male generative system, excluding tumours.				Other diseases of the female generative system, excluding tumours.				Diseases of bones, joints muscles fasciæ and burasæ				Elephantiasis.	
		Total treated.		Deaths.		Total treated.		Deaths.		Total treated.		Deaths.		Total treated.	
		Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.
1	2	88·1	88·2	88·3	89·1	89·2	89·3	90·1	90·2	90·3	91·1	91·2	91·3		
Burdwan Division.															
1	Burdwan	851	50	..	3,800	578	19	7,906	234	1	605	21	..		
2	Birbhum	112	7	3	2,677	268	14	445	11	..	2	1	..		
3	Bankura	974	70	2	2,648	187	5	4,270	269	5	250	22	..		
4	Midnapore	2,031	167	1	5,324	312	17	18,733	462	3	89	22	..		
5	Hooghly	1,150	76	2	7,038	280	18	4,365	168	1	18	2	..		
6	Howrah	970	55	..	2,086	333	10	6,222	452	6	52	9	..		
Total of Burdwan Division		6,088	425	8	23,573	2,058	83	41,941	1,996	16	1,016	77	..		
Presidency Division.															
1	24-Parganas	940	63	..	7,858	485	7	10,545	114	2	41	1	..		
2	Nadia	276	7	..	1,868	70	..	2,453	70	4	2	..	..		
3	Murshidabad	370	13	1	839	20	..	1,428	40	..	1	1	..		
4	West Dinajpur	169	24	..	828	80	1	2,060	46	..	9	..	..		
5	Jalpaiguri	98	4	..	314	12	..	1,728	30	..	3	..	..		
6	Maldah	391	13	..	1,135	32	2	3,943	208	..	22	..	..		
7	Darjeeling	78	5	..	644	160	2	2,199	48	1	10	1	..		
8	Cooch Behar	302	21	1	470	..	..	1,836	61	5	5	10	..		
Total of Presidency Division		2,624	150	2	13,956	859	12	26,192	617	12	93	13	..		
Muffassil Total		8,712	1	10	37,529	2,917	95	68,133	2,613	28	1,109	90	..		
Calcutta		35,103	3,812	61	43,118	11,685	47	30,739	1,928	36	1,198	127	..		
Grand Total		43,815	4,387	71	80,647	14,602	142	98,872	4,541	64	2,307	217	..		

Serial No.	Names of Districts and Divisions.	Other diseases of areolar			Ulcerative inflammation.			Other diseases of the skin and nails excluding tumours.			Nephritis.		
		Total treated.		Deaths.	Total treated.		Deaths.	Total treated.		Deaths.	Total treated.		Deaths.
		Outdoor.	Indoor.		Outdoor.	Indoor.		Outdoor.	Indoor.		Outdoor.	Indoor.	
1	2	92·1	92·2	92·3	93·1	93·2	93·3	94·1	94·2	94·3	95·1	95·2	95·3
<b>Burdwan Division.</b>													
1	Burdwan ..	5,013	186	4	11,684	215	3	8,636	81	..	529	63	12
2	Birbhum ..	1,730	144	4	2,314	2	..	1,466	15	..	121	1	..
3	Bankura ..	2,626	64	1	6,316	343	8	6,630	120	2	739	79	14
4	Midnapore ..	6,632	372	2	19,011	886	14	23,959	373	2	1,505	326	72
5	Hooghly ..	4,127	189	..	7,361	323	9	7,685	40	..	960	119	9
6	Howrah ..	4,269	234	6	8,713	227	1	9,313	33	..	534	142	42
Total of Burdwan Division ..		24,397	1,189	17	55,399	1,996	35	57,689	662	4	4,388	730	104

<b>Presidency Division.</b>													
1	24-Parganas ..	8,863	215	..	17,285	155	3	17,161	72	..	985	19	1
2	Nadia ..	5,417	116	4	5,398	44	4	4,388	8	..	422	24	15
3	Murshidabad ..	939	59	4	4,892	81	2	4,468	50	..	238	31	1
4	West Dinajpur ..	1,204	32	..	2,620	79	..	4,001	8	..	242	62	35
5	Jalpaiguri ..	630	31	..	1,794	25	..	1,681	16	..	238	11	2
6	Maldah ..	1,810	76	4	4,870	57	2	4,140	18	1	521	36	2
7	Darjeeling ..	1,919	228	1	5,070	219	3	1,763	59	2	58	64	11
8	Cooch Behar ..	681	112	1	4,417	93	1	7,792	12	..	54	7	..
Total of Presidency Division ..		21,463	869	14	46,346	753	15	45,594	243	3	2,758	254	67
<b>Muffassil Total</b>													
Muffassil Total ..		45,860	2,058	31	101,745	2,749	50	103,283	905	7	7,146	984	171
<b>Calcutta ..</b>													
Calcutta ..		11,454	847	13	39,674	1,481	79	52,043	585	2	1,703	272	34
<b>Grand Total</b>													
Grand Total ..		57,314	2,905	44	141,419	4,230	129	155,326	1,490	9	8,849	1,256	205

Serial No.	Names of Districts and Divisions.	Stone in the bladder.			Other diseases of the urinary organs, excluding tumours.			Total of columns 72(a).			
		Total treated.		Deaths.	Total treated.		Deaths.	Total treated.		Deaths.	
		Outdoor.	Indoor.		Outdoor.	Indoor.		Outdoor.	Indoor.		
1	2	96·1	96·2	96·3	97·1	97·2	97·3	98·1	98·2	98·3	
Burdwan Division.											
1	Burdwan	..	3	..	3	510	63	2	336,152	7,108	49
2	Birbhum	..	..	..	1	70	15	..	51,435	1,066	6
3	Bankura	..	32	..	5	688	68	4	152,236	5,939	25
4	Midnapore	..	47	..	20	1,048	137	8	601,268	22,637	73
5	Hooghly	..	1	..	2	427	33	3	332,977	17,112	42
6	Howrah	..	11	..	2	801	83	2	269,716	8,081	67
Total of Burdwan Division		..	95	33	1	3,544	399	29	1,743,784	61,943	2,64

Presidency Division.																
1	24-Parganas	..	..	..	64	8	..	838	38	4	453,189	4,686	19			
2	Nadia	..	..	..	3	..	..	231	27	1	188,602	2,312	23			
3	Murshidabad	..	..	..	2	..	..	141	6	..	153,589	2,807	6			
4	West Dinajpur	..	..	..	17	2	..	175	2	..	132,162	2,573	6			
5	Jalpaiguri	..	..	..	1	2	..	206	7	..	81,905	1,251	1			
6	Maldah	..	..	..	..	..	..	163	23	2	135,760	1,919	5			
7	Darjeeling	..	..	..	..	1	..	89	33	..	49,560	6,372	25			
8	Cooch Behar	..	..	..	3	4	..	231	41	1	114,042	2,795	10			
Total of Presidency Division												177	8	1,308,809	24,715	99
Muffassil Total												576	37	3,052,593	86,658	3,63
Calcutta												901	52	937,193	66,656	5,22
Grand Total												1,477	89	3,989,786	153,314	8,85



Serial No.	Names of Districts and Divisions.	Total of columns 72 (a) to 89.				Injuries, general and local.				Opium poisoning.				Other poisoning.			
		Total treated.		Deaths.		Total treated.		Deaths.		Total treated.		Deaths.		Total treated.		Deaths.	
		Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.
1	2	99.1	99.2	99.3	100.1	100.2	100.3	101.1	101.2	101.3	102.1	102.2	102.3				
Burdwan Division.																	
1	Burdwan	..	..	..	336,152	7,108	494	1,248	1,317	130	2	16	1	133	156	19	
2	Birbhum	..	..	..	51,435	1,066	66	4,040	276	7	6	..	..	6	12	..	
3	Bankura	..	..	..	152,236	5,939	258	3,647	636	26	..	2	..	29	22	2	
4	Midnapore	..	..	..	601,268	22,637	730	30,491	3,738	49	7	12	5	259	46	7	
5	Hooghly	..	..	..	332,977	17,112	426	17,451	2,038	71	15	18	7	56	82	10	
6	Howrah	..	..	..	269,716	8,081	670	22,566	2,135	179	80	23	2	64	122	13	
Total of Burdwan Division		..	1,743,784	61,943	2,644	79,443	10,140	462	110	71	15	547	440	51			
Presidency Division.																	
1	24-Parganas	..	..	..	453,189	4,686	198	27,376	1,868	92	6	20	1	204	71	9	
2	Nadia	..	..	..	188,602	2,312	232	8,190	719	28	1	8	1	13	26	3	
3	Murshidabad	..	..	..	153,589	2,807	65	4,138	525	11	..	..	..	7	10	2	
4	West Dinajpur	..	..	..	132,162	2,573	68	3,239	289	14	1	..	..	26	7	..	
5	Jalpaiguri	..	..	..	81,905	1,251	16	1,738	76	1	..	..	..	26	4	..	
6	Maldah	..	..	..	135,760	1,919	53	5,446	353	22	..	..	..	4	11	1	
7	Darjeeling	..	..	..	49,560	6,372	257	7,198	1,061	20	..	2	..	3	23	1	
8	Cooch Behar	..	..	..	114,042	2,795	102	4,112	338	5	..	4	1	39	17	..	
Total of Presidency Division		..	1,308,809	24,715	991	61,437	5,229	193	8	34	3	322	169	16			
Muffossil Total																	
Muffossil Total		..	3,052,593	86,653	3,635	140,880	15,369	655	118	105	18	869	609	67			
Calcutta																	
Calcutta		..	937,193	66,656	5,221	134,643	7,997	707	45	167	51	448	1,273	132			
Grand Total																	
Grand Total		..	3,989,786	153,314	8,856	275,523	23,366	1,362	163	272	69	1,317	1,882	199			

Serial No.	Names of Distrites and Divisions.	Labour normal.			Labour abnormal.			Healthy newborn infants.			Diseases of the new-born infants.					
		Total treated.		Deaths.	Total treated.		Deaths.	Total treated.		Deaths.	Total treated.		Deaths.			
		Outdoor.	Indoor.		Outdoor.	Indoor.		Outdoor.	Indoor.		Outdoor.	Indoor.				
1	2	103·1	103·2	103·3	104·1	104·2	104·3	105·1	105·2	105·3	106·1	106·2	106·3			
Burdwan Division.																
1	Burdwan	..	..	..	395	2,778	4	34	312	60	2	2,163	17	80	135	89
2	Birbhum	..	..	..	86	451	3	12	24	..	..	414	..	244	25	25
3	Bankura	..	..	..	355	690	5	47	181	24	35	424	16	222	221	10
4	Midnapore	..	..	..	1,603	1,605	3	261	418	32	114	1,445	17	476	154	63
5	Hooghly	..	..	..	3,156	2,420	11	45	429	52	70	2,117	13	54	190	59
6	Howrah	..	..	..	56	3,783	1	5	245	19	58	373	..	240	39	20
Total of Burdwan Division		..	5,651	11,727	27	404	1,609	187	279	6,936	63	1,316	564	266		

Presidency Division.																
1	24-Parganas	..	..	..	516	2,392	5	67	261	13	68	1,980	..	274	83	69
2	Nadia	..	..	..	177	2,276	..	15	44	8	9	2,051	..	41	95	75
3	Murshidabad	..	..	..	298	441	..	18	36	7	56	317	2	76	161	14
4	West Dinajpur	..	..	..	142	628	..	18	44	1	12	589	10	16	2	2
5	Jalpaiguri	..	..	..	224	38	..	19	27	2	24	56	..	69	3	2
6	Maldah	..	..	..	247	916	8	7	38	6	46	788	23	54	9	6
7	Darjeeling	..	..	..	88	545	..	17	191	9	..	540	1	..	45	23
8	Cooch Behar	..	..	..	108	1	..	25	5	1	73	10	..	39	..	..
Total of Presidency Division		..	1,800	7,237	13	186	646	47	288	6,331	36	569	398	191		
Muffossil Total																
..	Muffossil Total	..	7,451	18,964	40	590	2,255	234	567	13,267	99	1,885	962	457		
Calcutta..																
..	Calcutta..	..	1,528	39,984	92	51	7,825	132	3,369	25,667	988	552	9,904	826		
Grand Total		..	8,979	58,948	132	641	10,080	366	3,936	38,934	1,087	2,437	10,866	1,283		

Serial No.	Names of Districts and Divisions.	Diseases of the respiratory system other than pneumonia and tuberculosis.				Diseases of the teeth and gums excluding tumours.				Diseases of the stomach excluding tumours.				Diseases of the intestines excluding diarrhoea, dysentery and tumours.			
		Total treated.		Deaths.	Total treated.		Deaths.	Total treated.		Deaths.	Total treated.		Deaths.				
		Outdoor.	Indoor.		Outdoor.	Indoor.		Outdoor.	Indoor.		Outdoor.	Indoor.					
1	2	107·1	107·2	107·3	108·1	108·2	108·3	109·1	109·2	109·3	110·1	110·2	110·3				
Burdwan Division.																	
1	Burdwan ..	34,266	492	23	8,769	80	..	5,339	186	9	4,512	244	15				
2	Birbhum ..	7,392	74	2	2,536	..	..	621	8	..	261	45	..				
3	Bankura ..	18,849	684	19	3,719	77	..	5,270	224	10	1,608	232	23				
4	Midnapore ..	58,980	2,167	72	17,164	124	..	24,830	975	23	8,623	490	36				
5	Hooghly ..	45,392	702	33	8,214	19	..	3,706	160	1	2,243	277	13				
6	Howrah ..	29,751	641	41	7,918	54	..	6,604	206	11	3,901	194	8				
Total of Burdwan Division ..		194,630	4,760	190	48,320	354	..	46,370	1,759	54	21,148	1,482	95				
Presidency Division.																	
1	24-Parganas ..	49,576	372	4	16,729	18	..	12,835	52	2	9,110	156	5				
2	Nadia ..	12,833	61	..	4,791	7	..	1,865	34	2	972	23	4				
3	Murshidabad ..	15,209	304	1	3,443	9	..	1,621	64	..	925	35	..				
4	West Dinajpur ..	11,702	146	1	2,336	13	..	2,511	29	..	925	24	..				
5	Jalpaiguri ..	6,574	61	3	1,128	3	..	1,951	6	1	1,026	10	..				
6	Malda ..	14,121	106	2	4,100	16	..	2,050	40	..	2,891	10	1				
7	Darjeeling ..	8,161	702	26	1,369	10	..	808	45	..	1,882	34	2				
8	Cooch Behar ..	11,911	237	1	1,816	14	..	969	35	2	1,660	73	8				
Total of Presidency Division ..		130,087	1,989	48	35,712	90	..	24,610	305	7	19,391	362	20				
Muffossil Total ..		324,717	6,749	238	84,032	444	..	70,980	2,064	61	40,539	1,844	115				
Calcutta ..		69,683	2,939	288	78,846	235	1	15,097	3,530	244	12,510	1,723	169				
Grand Total ..		394,400	9,688	526	162,878	679	1	86,077	5,594	305	53,049	3,567	284				



Serial No.	Names of Districts and Divisions.	Liver abscess.				Other diseases of the liver.				Appendicitis.				Ascites of unknown or doubtful origin.			
		Total treated.		Deaths.		Total treated.		Deaths.		Total treated.		Deaths.		Total treated.		Deaths.	
		Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.
1	2	111·1	111·2	111·3	112·1	112·2	112·3	113·1	113·2	113·3	114·1	114·2	114·3				
	<b>Burdwan Division.</b>																
1	Burdwan ..	76	22	5	1,971	140	20	6,369	61	7	230	30	7				
2	Birbhum ..	4	3	..	346	7	1	9	7	1	43	3	2				
3	Bankura ..	30	19	1	1,229	139	11	95	12	..	141	143	16				
4	Midnapore ..	47	51	8	4,900	357	17	63	73	1	481	410	29				
5	Hooghly ..	34	4	..	3,154	211	15	150	35	3	357	591	25				
6	Howrah ..	35	23	3	3,436	230	36	48	24	..	132	38	9				
	Total of Burdwan Division ..	226	122	17	15,036	1,084	100	6,734	212	12	1,284	1,215	88				
	<b>Presidency Division.</b>																
1	24-Parganas ..	83	2	..	4,337	76	11	145	10	..	419	41	8				
2	Nadia ..	95	9	3	1,052	27	2	132	4	1	632	30	..				
3	Murshidabad ..	50	12	..	1,740	90	6	15	4	..	339	79	5				
4	West Dinajpur ..	26	2	..	747	92	2	19	5	..	170	18	1				
5	Malpauri ..	19	2	..	456	9	..	22	2	1	66	..	..				
6	Maldah ..	3	12	1	1,637	49	2	16	10	..	215	30	6				
7	Darjeeling ..	..	21	2	452	68	9	4	23	..	79	17	6				
8	Cooch Behar ..	6	7	1	1,016	82	10	8	24	1	38	5	3				
	Total of Presidency Division ..	282	67	7	11,437	493	42	361	82	3	1,958	220	29				
	Muffossil Total ..	508	189	24	26,473	1,577	142	7,095	294	15	3,342	1,435	117				
	Calcutta ..	860	159	30	6,117	1,177	184	2,070	1,000	38	1,410	249	54				
	Grand Total ..	1,368	348	54	32,590	2,754	326	9,165	1,294	53	4,752	1,684	171				

Serial No.	Names of Districts and Divisions.	Other diseases of the digestive system excluding diarrhoea, dysentery and tumours.				Grand total of columns 9 to 14.				Surgical operations.			
		Total treated.		Deaths.		Total treated.		Deaths.		Total treated.		Deaths.	
		Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.	Outdoor.	Indoor.
1	2	115.1	115.2	115.3	116.1	116.2	116.3	117.1	117.2	117.3			
Burdwan Division.													
1	Burdwan	..	..	..	15,575	185	5	415,153	15,425	905	6,595	2,050	82
2	Birbhum	..	..	..	4,187	72	4	71,228	2,487	111	1,077	550	12
3	Bankura	..	..	..	6,735	122	14	194,247	9,567	435	2,781	1,368	32
4	Midnapore	..	..	..	30,772	576	7	780,339	35,278	1,099	11,160	1,862	23
5	Hooghly	..	..	..	15,149	291	12	432,223	26,696	751	4,974	1,401	41
6	Howrah	..	..	..	18,726	401	36	363,336	16,612	1,048	5,080	281	..
Total of Burdwan Division		..	..	..	91,144	1,647	78	2,256,526	106,065	4,349	31,667	7,512	190
Presidency Division.													
1	24-Parganas	..	..	..	28,183	213	5	603,117	12,301	422	8,195	1,427	3
2	Nadia ..	..	..	..	5,479	86	5	224,899	7,809	364	3,624	663	..
3	Murshidabad	..	..	..	6,100	240	2	187,624	5,134	115	1,508	518	..
4	West Dinajpur	..	..	..	9,653	210	3	163,705	4,671	102	1,430	349	..
5	Jalpaiguri	..	..	..	5,459	47	..	100,706	1,595	26	264	210	..
6	Maldah	..	..	..	9,754	37	3	176,351	4,344	134	1,073	54	..
7	Darjeeling	..	..	..	4,810	230	4	74,431	9,929	360	462	405	3
8	Cooch Behar	..	..	..	12,865	77	5	148,727	3,724	150	740	912	12
Total of Presidency Division		..	..	..	82,303	1,140	27	1,679,560	49,507	1,673	17,296	4,538	18
Muffossil Total		..	..	..	173,447	2,787	105	3,936,086	155,572	6,022	48,963	12,050	208
Calcutta ..		..	..	..	33,173	1,295	80	1,297,595	171,780	9,237	70,829	39,899	423
Grand Total		..	..	..	206,620	4,082	185	5,233,681	327,352	15,259	119,792	51,949	631

**STATEMENT E.**



# STATEMENT E.

Showing the results of surgical operations preformed in the State-Public, Local Fund, Private aided and Subsidised Dispensaries in West Bengal during the year 1952-

Class of operation.	Nature of operation.*	Number of patients remaining from last year.	Number of operations performed during the year.			Number of patients operated on in columns 4 to 6.	Result of operations on patients.					Number of patients remaining at close.
			Principal.	Secondary.	Total.		Cured.	Relieved. Discharged otherwise.	Died.			
1	2	3	4	5	6	7	8	9	10	11	12	
Operations on tumors*												
	.. Removal—											
	(a) By excision or other methods.	3	958	8	966	958	894	62	8	3	2	
	(b) Radium treatment	..	15	..	15	15	4	11	..	..	..	
	(c) Other operations	..	355	6	361	355	42	14	305	..	..	
		3	1,328	14	1,342	1,328	940	87	313	3	2	
Operations on Cysts*												
	.. (a) Removal by enucleation or excision.	..	666	2	668	666	660	6	2	..	..	
	(b) Incision, drainage, etc.	..	184	3	187	184	182	3	2	..	..	
		..	850	5	855	850	842	9	4	..	..	
Operations on Abscesses*												
	.. (a) For Acute abscess—											
	Incision	93	15,211	62	15,273	15,211	14,470	820	63	5	8	
	(b) For Chronic abscess—											
	(i) Incision and drainage	1	1,696	8	1,704	1,696	1,600	77	27	1	..	
	(ii) Other operations	8	385	19	404	385	392	15	5	..	..	
		102	17,292	89	17,381	17,292	16,462	912	95	6	8	

Removal of Foreign Bodies											
..	(a) From the natural passages (excluding the external ear and urethra).	..	1,752	..	1,752	1,650	100	2	..	..	..
..	(b) Impacted or embedded (except in the eye ball).	..	1,987	..	1,987	1,485	212	290	..	..	..
<hr/>											
..		..	3,739	..	3,739	3,135	312	292	..	..	..
<hr/>											
Operations on Arteries		..									
..	(a) Ligature ..	..	256	7	263	261	..	..	2	..	..
..	(b) Other operations ..	..	48	4	52	52	..	..	..	..	..
<hr/>											
..		..	304	11	315	313	..	..	2	..	..
<hr/>											
Operations for Aneurysm											
..	(a) Ligature and excision of sac ..	..	1	..	1	1	..	..	..	..	..
..	(b) Ligature of artery ..	..	9	1	10	10	..	..	..	..	..
..	(c) Other operations ..	..	2	..	2	2	..	..	..	..	..
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..		..	12	1	13	13	..	..	..	..	..
<hr/>											
Operations on Veins ..											
..	(a) Ligature ..	..	2	2	7	9	..	..	..	..	..
..	(b) Transfusion of blood ..	..	12	873	2,327	2,108	103	..	9	119	..
..	(c) For varix -										
..	(i) Excision of ligature ..	..	8	8	8	8	..	..	..	..	..
..	(ii) Injection of sclerosing fluids.	..	121	13	134	93	36	1	..	4	..
..	(d) Other operations ..	..	250	80	330	298	30	1	1	..	..
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14		1,838	968	2,806	1,838	2,516	169	2	10	123	..
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Class of operation.	Nature of operation.*	Number of patients remaining from last year.	Number of operations performed during the year.			Number of patients operated on in columns 4 to 6.	Result of operations on patients.					Number of patients remaining at close.
			Principal.	Secondary.	Total.		Cured.	Relieved.	Discharged otherwise.	Died.		
1	2	3	4	5	6	7	8	9	10	11	12	
Operations on Joints (excluding disarticulation).												
	(a) Reduction of dislocation—	..	94	..	94	94	92	1	..	..	..	
	(i) Lower jaw ..	..	199	..	199	199	196	2	1	..	..	
	(ii) Shoulder ..	..	240	..	240	240	234	6	..	..	..	
	(iii) Elbow ..	..	248	..	248	248	244	3	1	..	..	
	(iv) Hip ..	..	79	1	80	79	69	10	1	..	..	
	(v) Knee ..	..	41	..	41	41	25	16	..	..	..	
	(vi) Other joints ..	..	210	1	211	210	196	13	2	..	..	
	(b) Tapping or aspiration, with or without irrigation.	1	66	..	66	66	54	13	..	..	..	
	(c) Arthrectomy or erosion ..	..	29	..	29	29	18	11	..	..	..	
	(d) Arthrotomy with or without irrigation.	..	27	..	27	27	26	1	..	..	..	
	(e) Other operations ..	..	67	..	67	67	57	10	..	..	..	
		1	1,300	2	1,302	1,300	1,211	86	5	..	1	
Operations on Muscles, Tendons, Bursæ and Fasciæ.												
	(a) Tenotomy ..	..	26	..	26	26	25	1	..	..	..	
	(b) Union of divided muscle or tendon.	..	89	..	89	89	83	5	1	..	..	
	(c) Incision or removal of inflamed bursæ.	..	77	..	77	77	66	11	..	..	..	
	(d) Other operations ..	..	366	1	367	366	359	7	1	..	..	
		..	558	1	559	558	533	24	2	..	..	

Amputations and disarticulations														
(a) Shoulder														
(b) Arm ..	..	..	52	2	54	52	40	11	..	3	..	..	..	..
(c) Elbow ..	..	..	3	..	3	3	..	..	..	..	..	..	..	..
(d) Forearm ..	1	..	46	..	46	46	38	9	..	..	..	..	..	..
(e) Wrist and hand ..	..	..	55	..	55	55	64	8	1	1	..	..	..	..
(f) Hip ..	..	..	6	1	7	6	4	1	2	..	..	..	..	..
(g) Thigh ..	..	..	56	..	56	56	46	7	1	2	..	..	..	..
(h) Knee ..	..	..	24	..	24	24	24	..	..	..	..	..	..	..
(i) Leg ..	..	..	89	2	91	89	74	16	1	..	..	..	..	..
(j) Ankle and foot ..	..	..	46	..	46	46	40	6	..	..	..	..	..	..
(k) Other amputations	..	..	264	..	264	264	236	25	2	1	..	..	..	..
1	646	5	651	646	554	85	7	6	..	..	..	..	..	..
Operations on the Skull														
(a) Trephining ..	..	..	16	..	16	16	14	1	..	1	..	1	..	..
(b) Elevation of depressed bone with or without trephining.	1	32	32	..	32	32	32	..	..	..	..	1	..	..
(c) Other operations	..	..	15	5	20	15	17	..	..	..	..	3	..	..
1	63	5	68	63	63	1	..	5	..	5	..	5	..	..
Operations on the Brain and Meninges.														
(a) For abscess, tumour or cyst ..	..	6	6	..	6	6	3	1	..	..	2	..	..	..
(b) Other operations	..	9	9	..	9	9	7	..	1	1	1	..	..	..
..	15	..	15	..	15	15	10	1	1	1	3	..	..	..
Spine, Spinal														
(a) Lumbar puncture	..	2,221	241	2,462	2,221	151	55	27	..	..	..	..	..	..
(b) Other operations	..	19	..	19	19	16	1	..	..	2	..	..	..	..
..	2,240	241	2,481	2,240	2,245	152	55	29	..	..	..	..	..	..



Class of operation.	Nature of operation.*	Number of patients remaining from last year.	Number of operations performed during the year.			Number of patients operated on in columns 4 to 6.	Result of operations on patients.				Number of ents remaining at close.	
			Principal.	Secondary.	Total.		Cured.	Relieved.	Discharged otherwise.	Died.		
1	2	3	4	5	6	7	8	9	10	11	12	
Operations on the Face	.. (a) For hare lip .. ..	..	76	..	76	76	71	3	..	2	..	
	(b) Other plastic operations on face and lips. ..	..	24	..	24	24	20	3	..	1	..	
	(c) Other operations ..	..	14	..	14	14	13	1	..	..	..	
			114	..	114	114	104	7	..	3	..	
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Operations on the Salivary glands	Operation on the salivary glands (all kinds).	..	42	..	42	42	41	1	..	..	..	
		..	42	..	42	42	41	1	..	..	..	
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Operations on the Eyelids	.. (a) For entropion .. ..	..	117	..	117	117	115	2	..	..	..	
	(b) For Trachoma .. ..	2	61	..	61	61	58	3	2	..	..	
	(c) For removal of new growth or cyst. ..	..	109	..	109	109	109	..	..	..	..	
	(d) Other operations ..	..	921	..	921	921	693	227	..	1	..	
			2	1,208	..	1,208	1,208	975	232	2	1	..
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Operations on the Lacrymal apparatus.	(a) On the lacrymal gland ..	..	56	..	56	56	54	1	1	..	..	
	(b) On the punctum lacrymale and canaliculus. ..	..	113	..	113	113	101	12	..	..	..	
	(c) On the lacrymal sac. and nasal duct. ..	1	938	..	938	938	911	28	..	..	..	
			1	1,107	..	1,107	1,066	41	1	..	..	

Operations on the Eye-ball and ocular conjunctiva.

(a) Sub conjunctival injection ..	..	565	..	565	565	565	..	..	..	..
(b) For pterygium ..	..	362	..	362	362	360	2	..	..	..
(c) Paracentesis of cornea ..	..	118	..	118	118	74	44	..	..	..
(d) Corneal section or cauterization ..	..	235	..	235	235	212	21	2	..	..
(e) For prolapsed iris ..	6	177	..	177	177	173	8	2	..	..
(f) Iridectomy ..	4	661	..	661	661	621	44	..	..	..
(g) Sclero-corneal trephining ..	3	288	..	288	288	261	28	2	..	..
(h) Needling of lens or capsule ..	8	725	11	736	725	731	10	3	..	..
(i) Extraction of lens ..	10	1,252	..	1,252	1,252	1,241	5	16	..	..
(i) In capsule with iridectomy	5	1,496	3	1,499	1,496	1,503	1	..	..	..
(ii) In capsule without iridectomy.	..	340	..	340	340	339	1	..	..	..
(iii) With capsulotomy and iridectomy.	35	2,364	..	2,364	2,364	2,384	5	10	..	..
(iv) With capsulotomy and no iridectomy.	4	1,247	..	1,247	1,247	1,241	9	1	..	..

Operations on the Eye-ball and ocular conjunctiva—concluded.

(j) Extraction of foreign bodies ..	..	3,079	..	3,079	3,079	3,072	5	2	..	..
(k) Evisceraton ..	..	305	..	305	305	289	14	..	2	..
(l) Enucleation ..	2	276	..	276	276	230	44	..	2	2
(m) Other operations ..	..	132	..	132	132	129	3	..	..	..

77	13,622	14	13,636	13,622	13,425	244	38	4	2
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Orbital operations ..

(a) For strabismus ..	..	8	..	8	8	7	..	1	..	..
(b) For new growth ..	..	21	..	21	21	19	..	2	..	..
(c) Other operations ..	1	36	..	36	36	37	..	..	..	..

1	65	..	65	65	63	..	3	..	..
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Class of operation.	Nature of operation.*	Number of patients remaining from last year.	Number of operations performed during the year.			Number of patients operated on in columns 4 to 6.	Result of operations on patients.				Number of patients remaining at close.
			Principal.	Secondary.	Total.		Cured.	Relieved.	Discharged otherwise.	Died.	
1	2	3	4	5	6	7	8	9	10		12
Operations within the Mouth and on the Naso pharynx.											
	(a) For new growth (excluding cancer of tongue).	..	13	..	13	13	13	..	..	..	..
	(b) For cleft palate ..	..	46	..	46	46	43	..	..	3	..
	(c) Removal or shortening of uvula.	..	11	..	11	11	11	..	..	..	..
	(d) Removal of tonsil ..	3	949	..	949	949	952	..	..	..	..
	(e) Removal of tonsils and adenoids	1	2,204	..	2,204	2,204	2,204	..	..	1	..
	(f) Incision of tonsillar or peritonsillar abscess.	..	104	..	104	104	104	..	..	..	..
	(g) Incision of retro-pharyngeal abscess.	..	6	..	6	6	6	..	..	..	..
	(h) Excision of tongue, partial or complete.	..	4	..	4	4	4	..	..	..	..
	(i) For ranula ..	..	35	..	35	35	34	1	..	..	..
	(j) Dental operations—										
	(i) Extraction ..	4	53,657	23	53,680	53,657	53,393	248	13	..	30
	(ii) Filling ..	..	2	..	2	2	2	..	..	..	..
	(iii) Scaling ..	..	..	..	..	..	..	..	..	..	..
	(iv) Other dental operations	4	871	1	872	871	846	28	2	..	..
	(k) Other operations	..	1,165	3	1,168	1,165	1,166	2	..	..	..
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		12	59,067	27	59,094	59,067	58,778	279	15	4	30



Operations on the Nasal Cavities and Accessory Sinuses.

(a) On nasal septum	..	1	169	..	169	169	170	..	..	..
(b) On turbinate bone	..	..	537	..	537	537	530	7	..	..
(c) For removal of polypus or benign new growth.	..	..	437	..	437	437	400	37	..	..
(d) Operation on accessory sinuses	1	142	..	..	142	142	131	12	..	..
(e) Other operations	..	..	534	384	918	534	895	23	..	..
	2	1,819	384	2,203	1,819	2,126	79	..	..	..

Operations on the Ear and Mastoid Process.

(a) Removal of foreign body	..	..	2,313	..	2,313	2,313	2,204	103	2	..	..	4
(b) Incision of membrana tympani	..	..	52	..	52	52	43	9	..	..	..	..
(c) Operations on mastoid antrum	..	..	23	..	23	23	17	6	..	..	..	..
(i) Simple	..	..	39	..	39	39	38	1	..	..	..	..
(ii) Radical	..	..	57	..	57	57	57	..	..	..	..	..
(d) Plastic operation	..	..	4	..	4	4	4	..	..	..	..	..
(e) Other operations	..	..	136	..	136	136	134	2	..	..	..	..
	..	2,624	..	2,624	2,624	2,497	121	2	..	..	4	

Operations on the Larynx, Trachea and Bronchi.

(a) Tracheotomy	..	..	313	2	315	313	265	16	12	22	..
(b) Removal of foreign body	..	..	66	..	66	66	66	..	..	..	..
(c) Other operations	..	..	80	..	80	80	46	33	..	1	..
	..	459	2	461	459	377	49	12	23	..	

Operations on the Thyroid and parathyroid Glands.

(a) Partial removal of gland or removal of cyst or tumour.	1	63	..	63	63	61	1	..	2	..
(b) Other operations	..	8	..	8	8	5	3	..	..	..
	1	71	..	71	71	66	4	..	2	..

Class of operation.	Nature of operation.*	Number of patients remaining from last year.	Number of operations performed during the year.						Result of operations on patients.					Number of patients remaining at close.
			Principal.			Secondary. Total.			Cured.	Relieved.	Discharged otherwise.	Died.		
			1	2	3	4	5	6					7	
Operations on the Neck	..	..	..	360	..	360	360	357	2	..	1	..	..	
	(a) Excision of glands	..	..	360	..	360	360	357	2	..	1	..	..	
	(b) Other operations	..	..	97	..	97	97	94	1	2	..	..	..	
		..	..	457	..	457	457	451	3	2	1	..	..	
Operations on the Oesophagus	..	..	..	51	..	51	51	49	1	..	1	..	..	
	(a) Removal of foreign body	..	..	51	..	51	51	49	1	..	1	..	..	
	(b) Other operations	..	..	330	7	337	330	183	151	2	1	..	..	
		..	..	381	7	388	381	232	152	2	2	..	..	
Operations on the Breast	..	..	..	48	..	48	48	41	7	..	..	..	..	
	(i) Simple and partial	..	..	48	..	48	48	41	7	..	..	..	..	
	(ii) Radical with lymphatics..	..	..	31	..	31	31	21	10	..	..	..	..	
	(b) Removal of cyst or new growth	..	..	37	..	37	37	37	..	..	..	..	..	
	(c) Other operations	..	1	460	4	464	460	459	1	1	..	..	4	
		1	576	4	580	576	558	18	1	..	..	..	4	
Operations on the Thorax and its contents.	(a) Paracentesis of pleural cavity	..	112	34	146	112	102	23	5	1	15	..	..	
	(b) Incision and drainage of pleural cavity.	..	14	..	14	14	9	1	1	3	..	..	..	
	(c) Artificial pneumothorax	..	2,177	3,740	5,917	2,177	4,098	1,669	10	24	116	..	..	
	(d) Other operations	..	171	2,291	2,462	171	1,697	85	12	11	657	..	..	
		..	2,474	6,065	8,539	2,474	5,906	1,778	28	39	788	..	..	

Operations on the Abdominal Wall (a) For inguinal hernia—  
and Cavity.

(i) For radical cure	..	3	766	..	5	771	766	762	6	..	6	..
(ii) For strangulation	..	..	..	..	..	..	..	..	..	..	..	..
(b) For other forms of hernia	..	6	980	..	7	987	980	943	18	3	29	..
(c) Paracentesis abdominis	..	..	463	..	38	501	463	119	376	5	1	..
(d) Incision and drainage of peritoneal cavity.	..	..	21	..	7	28	21	24	..	..	4	..
(e) Exploratory laparotomy	..	1	311	..	..	311	311	217	16	17	62	..
(f) Other operations	..	..	27	..	85	112	27	101	11	..	..	..
		10	2,568		142	2,710	2,568	2,166	427	25	102	..

Operations on the Stomach

(a) Lavage	..	..	1,485	..	87	1,572	1,485	974	593	..	..	..
(b) Gastro-enterostomy	..	..	117	..	2	119	117	93	12	2	12	..
(c) Partial gastrectomy with anastomosis.	..	..	113	..	1	114	113	96	..	9	9	..
(d) Other operations	..	..	554	..	..	554	554	519	12	3	20	..
	..	..	2,269	..	90	2,359	2,269	1,682	622	14	41	..

Operations on the Intestines

(a) Appendicectomy	..	2	799	..	89	888	804	876	4	..	8	2
(b) Opening of appendicular or other abscess.	..	..	52	..	..	52	52	43	3	..	6	..
(c) Caecostomy, Colostomy	..	..	80	..	9	89	80	53	19	4	12	1
(d) Intestinal anastomosis	..	..	66	..	4	70	66	45	9	7	9	..
(e) Reduction of internal hernia, intussusception or volvulus, with or without resection or gut.	..	..	110	..	..	110	110	84	1	5	20	..
(f) Suture for perforation or wound of gut.	1	1	84	..	7	91	84	66	1	5	19	1
(g) Other operations	..	..	30	..	2	32	30	30	2	..	..	..
	3	3	1,221	..	111	1,332	1,221	1,197	39	21	74	4



Class of operation.	Nature of operation.*	Number of operations performed during the year.					Result of operations on patients.					Number of patients remaining at close.
		Number of patients remaining from last year.	Principal. Secondary. Total.				Number of patients operated on in columns 4 to 6.	Cured.	Relieved. Discharged otherwise.	Died.		
			3	4	5	6					7	
1	2	3	4	5	6	7	8	9	10	11	2	
Operations on the Rectum and Anus.												
	(a) For haemorrhoids	..	1,128	2,178	3,306	1,128	2,702	589	..	15	..	
	(b) Incision or Excision of—											
	(i) Anal fissure ..	1	129	5	134	129	116	19	..	..	..	
	(ii) Fistula in ano ..	2	352	4	356	352	277	69	2	10	..	
	(c) Incision of ischio-rectal abscess	..	161	..	161	161	143	8	6	4	..	
	(d) For prolapse of rectum ..	..	117	..	117	117	82	30	2	3	..	
	(e) Operations for congenital mal-formation.	..	2	..	2	2	2	..	..	..	..	
	(f) Excision of rectum ..	..	15	..	15	15	9	1	1	4	..	
	(g) Sigmoidoscopy ..	..	33	1	34	33	25	6	3	..	..	
	(h) Removal of new growth ..	..	113	1	114	113	109	2	..	3	..	
	(i) Incision of imperforate anus ..	..	65	..	65	65	56	3	..	6	..	
	(j) Other operations ..	..	38	8	46	38	41	1	2	2	..	
		3	2,153	2,197	4,350	2,153	3,562	728	16	47	..	
Operations on the Liver, Gall-Bladder and Bile Ducts.												
	(a) Exploratory puncture ..	..	5	..	5	5	5	..	..	..	..	
	(b) Incision of abscess or cyst ..	..	30	..	30	30	26	3	1	..	..	
	(c) Paracentesis of abscess or cyst	..	53	23	76	53	73	..	3	..	..	
	(d) Cholecystotomy ..	..	44	..	44	44	38	2	..	4	..	
	(e) Cholecystectomy ..	1	271	2	273	271	261	3	..	10	..	
	(f) Other operations	..	23	..	25	..	23	..	..	2	..	
		1	426	27	453	426	426	8	4	16	..	

Operations on the Pancreas	..	6	6	6	6	6	6	3	..	3	..
.. Operations on the pancreas (all kinds).	..	6	..	6	6	3	..	3	..	3	..
Operations on the Spleen	..	Operations on the spleen (all kinds).	43	1	44	43	25	6	..	13	..
..	..	43	1	44	43	25	6	..	13	..	..
Operations on the Kidneys and Ureters.	..	(a) Nephrotomy and nephro-lithotomy.	24	..	24	24	23	..	..	1	..
..	..	(b) Nephrectomy	47	..	47	47	42	..	..	5	..
..	..	(c) Other operations	59	7	66	59	55	6	3	2	..
..	..	..	130	7	137	130	120	6	3	8	..
Operations on the Bladder	..	(a) Cystoscopy	72	26	98	72	53	27	18	..	..
..	..	(b) Introduction of catheter or sound.	2,114	253	2,367	2,114	406	1,937	22	2	..
..	..	(c) Puncture	13	..	13	13	12	1	..	..	..
..	..	(d) Cystotomy, cystostomy	228	39	267	227	185	70	12	..	..
..	..	(e) Lithotomy—supra-pubic	52	..	52	52	48	..	3	1	..
..	..	(f) Litholapaxy	..	..	..	..	..	..	..	..	..
..	..	(g) Other operations	26	1	27	26	24	2	..	..	..
..	..	..	2,505	319	2,823	2,505	728	2,037	55	3	..

Class of operation.	Nature of operation.*	Number of patients remaining from last year.	Number of operations performed during the year.				Number of patients operated on in columns 4 to 6.	Result of operations on patients.					Number of patients remaining at close.
			Principal.	Secondary.	Total.	Cured.		Relieved.	Discharged otherwise.	Died.			
1	2	3	4	5	6	7	8	9	10	11	12		
Operations on the Prostate	(a) Prostatectomy ..	..	89	..	89	89	78	1	..	10	..		
	(b) Other operations ..	..	1	2	3	1	3	..	..	..	..		
		..	90	2	92	90	81	1	..	10	..		
Operations on the Urethra	(a) Dilatation of stricture ..	..	546	389	935	546	703	222	4	4	2		
	(b) Urethrotomy ..	..	18	..	18	18	15	3	..	..	..		
	(c) Removal of calculus or foreign body. ..	..	65	..	65	65	63	2	..	..	..		
	(d) Other operations ..	..	63	1	64	63	60	4	..	..	..		
		..	692	390	1,082	692	841	231	4	4	2		
Operations on the Male Generative Organs.	(a) Circumcision ..	..	470	..	470	470	465	5	..	..	..		
	(b) For paraphimosis and phimosis ..	3	685	4	689	685	642	50	..	..	..		
	(c) Amputation of penis, partial or complete. ..	..	48	1	49	48	39	9	..	1	..		
	(d) Puncture or incision of tunica vaginalis for hydrocele or hæmatocele. ..	..	66	..	66	66	66	..	..	..	..		
	(e) For varicocele ..	..	11	..	11	11	11	..	..	..	..		
	(f) Radical cure of hydrocele ..	6	1,669	31	1,700	1,669	1,679	22	2	..	3		
	(g) Excision of elephantoid scrotum and/or penis. ..	..	132	..	132	132	123	8	..	1	..		
	(h) Removal of testis ..	..	49	1	50	49	48	..	..	2	..		
	(i) Other operations ..	..	74	7	81	74	75	4	1	1	..		
		9	3,204	44	3,248	3,204	3,148	98	3	5	3		



Operations on the Female Genera- tive Organs— adnexa—											
(a) Operations on the uterine tumour.											
(i) For ovarian cyst or tumour.	2	198	24	222	198	214	2	4	3		
(ii) For Ectopic gestation ..	1	128	..	128	128	110	4	2	11	2	
(iii) For Pyosalpinx or salpingitis.	2	170	128	298	170	289	1	..	9	1	
(iv) Salpingostomy ..	1	29	3	32	29	25	..	6	1	1	
(v) Ligature, division, partial or total excision of fallopian tubes for production of sterility.	1	312	63	375	312	368	1	..	2	5	
(vi) Tubal inflation ..	7	464	141	605	464	494	7	105	..	6	
(vii) Ventrisuspension (Gilliam's operation).	1	204	22	226	204	221	3	..	2	1	
(viii) Other operations ..	3	88	..	88	88	75	4	12	..	..	

Operations on the Female Genera-  
tive Organs—continued.

(b) Abdominal operations on the uterus—											
(i) Radical (Wertheim's) Hysterectomy.	..	31	..	31	31	7	14	..	..	..	
(ii) Total hysterectomy, with or without removal of adnexa.	1	361	3	364	361	338	13	2	7	5	
(iii) Sub total hysterectomy with or without removal of adnexa.	2	325	6	331	325	315	12	1	3	2	
(iv) Mymectomy ..	..	23	5	23	23	24	2	..	1	1	
(v) Ventrifixation ..	..	21	3	24	21	22	1	..	1	..	
(vi) Other operations ..	..	66	2	68	66	64	..	1	3	..	
(c) Vaginal operations on the uterus—	..	335	..	335	335	335	..	..	..	..	
(i) Curettage, with or without dilatation of the cervix.	14	1,553	428	1,981	1,553	1,630	235	113	1	16	
(ii) Removal of polypus or fibroid.	1	147	3	150	147	141	6	3		1	
(iii) Hysterectomy ..	2	222	4	226	222	213	4	3	5	3	
(iv) Replacement of inverted or prolapsed uterus.	..	70	..	70	70	68	1	..	1	..	
(v) Other operations ..	..	12	..	12	12	9	1	1	1	..	

Result of operations on patients.

Number of patients operated on in columns 4 to 6.	}					Number of patients remaining at close.
	Curea.	Relieved.	Discharged otherwise.	Died.		
7	8	9	10	11	12	

(d) Operations on the cervix uteri—

(i) Dilatation .. ..	11	763	655	1,418	763	1,176	174	76	..	3
(ii) Plastic operations including amputation.	4	231	50	231	231	262	17	3	1	2
(iii) Other operations ..	3	506	39	545	506	450	72	25	1	..
(e) Operations on the vagina and perineum—	..	46	..	46	46	45	1	..	..	..
(i) Anterior colporrhaphy with or without amputation of the cervix.	1	520	24	544	520	546	..	4	..	5
(ii) Perineorrhaphy with or without posterior colporrhaphy.	8	535	315	850	535	838	12	4	..	4
(iii) Excision or repair of fistulae.	..	..	..	93	93	82	3	8	1	2
(iv) Other operations ..	2	169	19	188	169	147	18	23	1	..
	80	7,622	1,937	9,559	7,622	8,508	608	393	66	64

Obstetric operations.

(a) Induction or abortion ..	..	218	..	218	218	177	41	..	..	..
(b) Evacuation of pregnant uterus.	10	2,247	3	2,250	2,247	2,229	5	3	9	14
(c) Induction of premature labour.	..	38	..	38	38	38	..	..	..	..
(d) Version, podalic or cephalic	..	23	..	23	23	21	2	..	..	..
(i) Bipolar .. ..	..	119	..	119	119	119	..	..	..	..
(ii) Internal .. ..	..	107	..	107	107	87	12	4	3	1
(iii) Internal with extraction of foetus.	..	44	..	44	44	44	..	..	..	..

	145	..	145	146	142	3	..	10	10	5	..
<i>(e)</i> Podalic extraction	..	..	145	146	142	3	..	10	10	5	..
<i>(f)</i> Application of forceps	..	6	1,133	11	1,144	1,133	1,009	116	10	10	5
<i>(g)</i> Manual or instrumental rotation of foetal head with or without extraction.	..	..	44	..	44	44	44	..	..	..	..
<i>(h)</i> Pulling down of foetal leg with or without version.	1	1	52	..	52	52	47	1	4	1	..
<i>(i)</i> Plugging of vagina	..	..	117	1	118	117	112	1	2	3	..
<i>(j)</i> Craniotomy, with extraction of foetus.	3	3	243	2	245	243	205	18	10	12	3
<i>(k)</i> Evisceration, decapitation, etc.	..	..	78	..	78	78	69	4	1	4	..
<i>(l)</i> Caesarean section	..	..	11	..	11	11	11	..	..	..	..
<i>(i)</i> Classical	..	2	134	..	134	134	129	1	..	3	3
<i>(ii)</i> Lower segment	..	2	224	..	224	224	220	..	2	3	1
<i>(iii)</i> Other varieties	..	..	17	..	17	17	17	..	..	..	..
<i>(m)</i> Episiotomy	..	19	1,861	281	2,142	1,861	2,098	..	23	..	17
<i>(n)</i> Manual removal of placenta	..	2	588	41	629	588	599	18	3	5	6
<i>(o)</i> Immediate suture of torn perineum.	20	20	3,867	18	3,885	3,867	3,818	25	53	..	9
<i>(p)</i> Immediate suture of torn cervix.	..	..	98	8	106	98	105	1	..	..	..
<i>(q)</i> Other operations	..	..	177	8	185	177	183	..	2	..	..

## Obstetric Operations—concluded

	(p) Immediate suture of torn cervix.	(q) Other operations
neum.	..	..
	98	177
	8	8
	106	185
	98	177
	105	183
	1	..
	..	2
	..	..
Muffassil total ..	80	57,323
	65	11,585
	373	11,958
	5,886	57,327
	63,209	57,529
	4,403	271
	117	53
	221	222
	222	914
Calcutta ..	393	119,534
	8,472	128,006
	119,534	116,777
	9,351	1,541
	496	234
Grand Total ..	473	176,857
	14,358	191,215
	176,857	176,857
	13,754	174,306
	718	1,148
	1,762	1,148



# STATEMENT F.

Showing the Income and Expenditure of State-public, Local-Fund, Private-aided and Subsidised Dispensaries in West Bengal, during the year 1952.

			Income.						Expenditure.					
No.	Name of dispensary.	Class.	Contributions.					Fees and contributions from patients.	Fund collected by hospital Committees, charities, contributions and donations.	Miscellaneous including interest on investments, sales of securities, etc.	Salaries.			
			Opening cash and other balance.	From Government.		From local and municipal bodies.					Total receipts.	Medical Officers.	Nurses.	All other establishment.
				Rs.	Rs.	Rs.	Rs.							
1	2		3	4	5	6	7	8	9	10	11	12		
A—General Dispensaries.														
Calcutta.														
1	Medical College and Hospitals	I	55,914	44,93,790	..	2,90,783	19,512	73,732	49,33,731	3,54,384	4,91,438	7,10,124		
2	Nil Ratan Sircar Medical College Hospital.	I	..	..	..	..	..	..	..	..	..	..		
3	Presidency General Hospital ..	I	..	6,41,457	25,301	4,31,228	..	..	10,97,986	1,01,087	1,38,691	23,63,384		
4	Beliaghata T. B. Hospital ..	..	..	1,70,115	..	..	..	..	1,70,115	9,598	20,868	21,249		
5	R. G. Kar Medical College and Hospital.	IV	2,49,034	3,26,000	95,264	3,09,320	1,04,636	2,73,049	13,57,303	57,920	97,888	2,01,555		
6	Meyo Hospital and Branches ..	IV	25,477	63,699	18,214	74,859	6,965	1,04,073	2,93,287	22,843	23,215	61,117		
7	Carmichael Hospital for Tropical Diseases.	IV	23,456	2,35,453	..	80,971	..	37	3,39,917	23,098	37,453	63,640		
8	Islamia Hospital ..	IV	61,776	36,000	23,000	36,785	1,24,461	28,649	3,10,671	19,375	13,356	35,536		
9	Ramrickdas Haralalka Hospital	..	9,424	11,000	9,000	25,778	6,594	148	61,944	3,880	4,037	6,459		
10	Premananda Leper Hospital ..	IV	1,633	10,001	6,000	..	12,647	638	30,919	5,685	..	10,743		
B—Female Dispensaries.														
11	Lady Dufferin Victoria Hospital	I	..	3,52,636	..	1,58,167	..	2,948	5,13,751	1,46,146	..	65,397		
12	Ramkrishna Mission Sisu Mangal Pratishthan.	IV	11,095	76,704	20,000	2,37,522	22,726	3,973	3,72,020	16,769	20,069	16,110		

13	Chittaranjan Seva Sadan	..	IV	..	4,37,809	67,59,089	2,46,779	18,40,202	2,98,272	731	35,547	6,23,301	67,799	8,91,673	44,658	1,05,957
	Total	..	..	..	4,37,809	67,59,089	2,46,779	18,40,202	2,98,272	731	35,547	6,23,301	67,799	8,91,673	44,658	1,05,957
A—General Dispensaries.																
Burdwan.																
14	Fraser Hospital	..	I	..	..	..	..	..	..	..	..	..	..	..	..	..
15	L. M. Hospital	..	I	25	57,218	2,600	1,153	65	455	61,516	4,643	9,921	15,970			
16	Kalna Hospital	..	I	..	15,349	1,700	75	..	54	27,178	5,087	4,002	10,599			
17	Katwa Hospital	..	I	25	27,996	1,700	..	104	459	30,284	2,728	5,715	8,691			
18	Adra Dispensary	..	III	..	..	..	..	..	..	..	..	..	..	..	..	..
19	Khandaghosh Dispensary	..	III	..	..	..	1,529	3,408	..	4,937	1,768	1,404	540			
20	Gopinathpur Dispensary	..	III	..	..	4,319	559	..	598	5,476	2,347	1,239	540			
21	Keshabpur Dispensary	..	III	..	..	..	..	..	..	..	..	..	..	..	..	..
22	Saknara Dispensary	..	III	..	..	..	..	..	..	..	..	..	..	..	..	..
23	Meral Dispensary	..	III	..	..	..	..	..	..	..	..	..	..	..	..	..
24	Panchra Dispensary	..	III	..	..	3,095	2,144	..	69	5,308	1,964	1,395	540			
25	Amarpur Dispensary	..	III	..	..	1,800	535	..	655	2,990	900	965	..			
26	Nandipur Dispensary	..	III	..	..	4,338	524	..	..	4,862	2,280	..	1,788			
27	Kaleswar Dispensary	..	III	..	..	3,922	496	..	392	4,810	1,566	1,323	540			
28	Ghosh Cespensary	..	III	..	..	1,235	848	..	453	2,536	1,380	786	240			
29	Palla Dispensary	..	III	..	315	3,897	1,439	..	398	6,049	1,905	1,363	540			
30	Satgachia Dispensary	..	III	..	..	4,494	1,251	..	..	5,745	2,150	1,116	540			
31	Bhatar Dispensary	..	III	..	..	3,409	598	..	338	4,345	1,844	1,197	500			
32	Mahati Dispensary	..	III	..	..	4,254	647	12	..	4,913	1,788	2,139	540			
33	Ausgram Dispensary	..	III	137	1,270	4,096	803	11	8	6,325	1,792	1,500	540			
34	Asansol Dispensary	..	III	..	..	..	..	..	..	..	..	..	..	..	..	..
35	Raniganj Municipal Hospital	..	III	4,339	328	5,507	816	1,188	311	12,489	1,672	..	3,316			
36	Kanksa Dispensary	..	III	..	..	3,314	2,316	..	..	5,630	2,220	1,273	540			
37	Molandighi Dispensary	..	III	..	250	1,900	624	2,604	..	5,378	1,820	1,443	540			

Expenditure.											
No.	Name of dispensaries.	Class.	Medicines.	Diet.	Apparatus (repairs and renewals.)	New build- ings, addi- tions to ap- paratus and other Capital expenditure.	Repairs buildings.	Miscellaneous charges including investments, etc.; made during the year.	Total expenditure.	Closing cash and other balance.	Average cost of diet per in-patient.
1	2		13	14	15	16	17	18	19	20	21
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
A—General Dispensaries.											
Calcutta.											
1	Medical College and Hospitals	I	10,72,662	9,26,586	2,08,667	1,55,934	2,51,213	6,90,579	48,61,587	72,144	1 14 0 (for general) 2 8 0 (for T.B. patient)
2	Nil Ratan Sircar Medical College and Hospital.	I	..	..	..	..	..	..	..	..	..
3	Presidency General Hospital ..	I	78,539	2,04,842	..	7,790	86,873	2,02,764	10,56,970	41,016	2 1 6
4	Beliaghata T. B. Hospital ..	..	10,493	84,324	2,035	..	..	3,151	1,51,718	18,397	2 8 0
5	R. G. Kar Medical College and Hospital.	IV.	1,31,823	1,69,411	7,049	2,71,301	26,004	1,87,196	11,50,147	2,07,156	..
6	Meyo Hospital and Branches ..	IV	32,463	54,575	..	..	7,394	73,324	2,74,931	18,356	1 12 0
7	Carmichael Hospital for Tropi- cal Diseases.	IV	17,451	86,147	6,952	..	7,213	66,125	3,08,079	31,838	3 8 0 (Specila). 2 8 0 (ordinary).
8	Islamia Hospital ..	IV	25,979	23,650	..	1,60,200	575	32,000	3,10,671	..	3 8 9
9	Ramrickdas Haralalka Hospital	..	10,074	13,497	2,859	..	..	12,608	53,414	8,530	0 13 6
10	Premananda Leper Hospital	IV	4,566	..	..	..	..	2,500	23,499	1,420	..
B—Female Dispensaries.											
11	Lady Dufferin Victoria Hospital	I	35,263	2,21,833	..	..	..	45,112	5,13,751	..	..
12	Ramkrishna Mission Sisu Mangal Pratishthan.	IV	15,305	65,343	3,623	16,755	..	51,180	2,05,174	1,66,846	..



13	Chittaranjan Seva Sadhan	..	IV	54,467	1,98,829	..	6,11,980	24,368	1,27,223	6,23,301	..	..
Total		..		14,89,085	20,49,037	2,31,285	6,11,980	4,03,640	14,93,762	95,33,242	5,71,703	..

A—General Dispensaries.

Burdwan.

14	Fraser Hospital	..	I	..	..	..	..	..	..	..	..	..
15	L. M. Hospital	..	I	..	10,455	..	..	..	16,229	57,218	4,298	0 14 0
16	Kalna Hospital	..	I	..	5,872	..	..	..	1,618	27,178	..	0 13 9
17	Katwa Hospital	..	I	..	4,943	..	..	..	5,485	27,562	2,722	0 13 7
18	Adra Dispensary	..	III	..	..	..	..	..	..	..	..	..
19	Khandaghosh Dispensary	..	III	1,125	..	..	..	..	100	4,937	..	..
20	Gopinathpur Dispensary	..	III	1,147	..	..	..	..	203	5,476	..	..
21	Keshabpur Dispensary	..	III	..	..	..	..	..	..	..	..	..
22	Saknara Dispensary	..	III	..	..	..	..	..	..	..	..	..
23	Meral Dispensary	..	III	..	..	..	..	..	..	..	..	..
24	Panchra Dispensary	..	III	1,256	..	..	..	..	153	5,308	..	..
25	Amarpur Dispensary	..	III	1,059	..	..	..	..	66	2,990	..	..
26	Nandipur Dispensary	..	III	606	..	..	..	..	188	4,862	..	..
27	Kaleswar Dispensary	..	III	1,206	..	..	..	..	175	4,810	..	..
28	Ghosh Dispensary	..	III	33	..	..	..	..	97	2,53	..	..
29	Palla Dispensary	..	III	2,056	..	..	..	..	185	6,049	..	..
30	Satgachia Dispensary	..	III	938	..	..	..	..	130	4,874	871	..
31	Bhatar Dispensary	..	III	679	..	..	..	..	125	4,345	..	..
32	Mohati Dispensary	..	III	1,198	..	..	..	..	148	4,913	..	..
33	Ausgram Dispensary	..	III	715	..	..	15	1,500	115	6,177	148	..
34	Asansol Dispensary	..	III	..	..	..	..	..	..	..	..	..
35	Raniganj Municipal Hospital	..	III	1,804	920	..	..	..	959	8,671	3,818	0 11 0
36	Kanksa Dispensary	..	III	1,455	..	..	..	..	142	5,630	..	..
37	Molandighi Dispensary	..	III	1,275	..	..	..	..	300	5,378	..	..



57	Puthuri	..	..	..	..	..	51	..	608	659	..	..	300
58	Singhi	..	..	7	..	258	492	219	..	976	..	..	..
59	Srikhanda	..	..	1	605	896	269	..	..	1,771	360	246	36
60	Gidhagram	..	..	1	..	250	400	..	10	721	180	60	24
61	Kashigram	..	..	52	610	423	51	..	..	1,136	448	..	147
62	Ketugram	..	..	..	..	..	..	..	..	..	..	..	..
63	Ankhona	..	..	..	250	166	32	518	..	966	260	..	107
64	Mangram	..	..	4	250	767	25	..	3	1,049	480	..	168
65	Rajoor	..	..	596	250	1,000	50	..	..	1,896	600	120	60
66	Sitahati	..	..	..	..	..	..	..	..	..	..	..	..
67	Khandra	..	..	20	250	795	110	..	..	1,175	480	300	24
68	Billeswar	..	..	..	..	..	..	..	..	..	..	..	..
69	Mongolkote	..	..	..	..	2,300	668	1,027	..	3,995	1,200	810	540
70	Kashemnagar	..	..	..	..	2,231	615	..	..	2,846	1,264	784	240
71	Kaichar	..	..	..	250	250	49	819	..	1,368	281	..	169
72	Rajan	..	..	..	..	..	..	..	..	..	..	..	..
73	Khetia	..	..	29	250	675	523	150	..	1,627	600	..	202
74	Kurkula	..	..	..	..	..	..	..	..	..	..	..	..
75	Rasulpur	..	..	1	755	450	571	175	..	1,952	650	350	70
76	Bijpur	..	..	..	..	..	..	..	..	..	..	..	..
77	Amadpur	..	..	..	..	..	..	..	..	..	..	..	..
78	Notabelgona	..	..	212	709	1,000	973	100	14	3,008	420	..	228
79	Gushkora	..	..	9	552	1,279	992	..	..	2,832	1,040	..	440
80	Dignagar	..	..	..	250	852	220	40	..	1,362	600	..	300
81	Bhedia	..	..	1	250	1,250	531	..	..	2,032	535	..	340
82	Belliagram	..	..	80	114	100	16	..	..	310	..	..	108
83	Dainhat	..	..	44	277	550	86	18	..	975	420	..	96

Total	..	..	14,886	1,20,858	97,569	29,875	12,102	5,853	2,81,143	64,443	44,593	57,722
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No.	Name of dispensary.	Class.	Income.					Expenditure.					
			Contributions.			Fees and contribu- tions from patients.	Fund collected by hospital Committees, charitable. contributions and donations.	Miscella- neous in- cluding interest on investments, sales of securities, etc.	Total receipts.	Salaries.			
			From Govern- ment.	From local and muni- cipal bodies.	Rs.					Rs.	Rs.	Medical Officers.	Nurses.
1	2		3	4	5	6	7	8	9	10	11	12	
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
A—General Dispensaries.													
Birbhum.													
84	Suri Sadar Hospital	..	I	53,014	63,325	..	6,199	..	890	1,23,428	9,594	11,403	5,410
85	Sultanpur Charitable Dispensary	III	11	288	891	70	..	..	..	1,260	546	..	486
86	Illambazar Charitable Dispensary	III	498	1,459	..	438	..	..	..	2,395	560	..	512
87	Chella Charitable Dispensary	III	..	534	951	100	..	..	700	2,285	556	..	708
88	Muhammad Bazar Charitable	III	..	1,010	467	237	21	..	..	1,735	806	..	715
89	Nanoor Charitable Dispensary	III	103	1,033	1,250	369	..	..	..	2,755	648	..	444
90	Bolpur Charitable Dispensary	III	20	643	2,489	64	122	..	..	3,338	1,086	..	814
91	Saltora Kasba Charitable Dispensary	III	275	480	1,297	47	..	..	..	2,099	561	..	812
92	Hassan Charitable Dispensary	III	164	730	1,071	142	..	..	..	2,107	546	..	1,025
93	Mayureswar Charitable Dispensary	III	..	530	1,284	60	250	..	..	2,124	450	294	830
94	Kundala Charitable Dispensary	III	..	365	1,012	54	..	..	..	1,431	522	..	408
95	Nalhati Charitable Dispensary	III	160	51	1,794	233	82	3	..	2,323	918	..	732
96	Sonarkundu Charitable Dispensary	III	5	823	710	218	12	..	..	1,768	464	..	309
97	Rajnagar Charitable Dispensary	U.B.	..	..	..	..	..	..	..	..	..	..	..
98	Hinglo Charitable Dispensary	U.B.	1,985	250	1,250	60	1	61	..	3,607	600	..	336
99	Ahmedpur Charitable Dispensary	U.B.	..	..	..	..	..	..	..	..	..	..	..
100	Chouhalli Charitable Dispensary	U.B.	..	250	1,027	161	..	..	..	1,438	720	..	288
101	Ratna Dakhigram Charitable	U.B.	..	..	..	..	..	..	..	..	..	..	..
102	Lokepara Charitable Dispensary	U.B.	54	250	515	76	180	7	..	1,082	455	..	123
103	Barla Charitable Dispensary	U.B.	17	122	673	30	..	10	..	852	361	..	180



104	Lohapur Charitable Dispensary	U.B.	..	..	37	808	..	522	1,367	315	..	96
105	Bhadrapur Charitable Dispensary	U.B.	..	..	..	..	..	..	...	..	..	..
106	Palsa Charitable Dispensary	U.B.	64	250	66	557	..	3	940	570	..	288
107	Bhabanipur J. L. Memorial ..	VIII	..	..	44	1,737	150	5	1,936	636	582	134

Total		..	56,370	72,393	19,783	8,795	518	2,201	1,60,270	20,914	12,279	14,650
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A—General Dispensaries.

Bankura.

108	Sadar State Managed Hospital	I	..	42,560	2,807	719	24	161	46,271	7,892	9,166	18,656
109	Bishnupur State Managed Hos- pital.	I	5	35,650	800	..	115	..	36,570	2,146	4,687	11,358
110	Gouripur Leprosy Colony	I	..	1,22,109	..	..	..	..	1,22,109	..	..	37,305
111	Sanbanda Charitable	III	20	250	450	53	20	..	793	495	..	101
112	Ratanpur Charitable Dispensary	III	103	763	2,199	50	25	1	3,141	1,044	..	869
113	Onda Charitable Dispensary	III	3,440	78	2,101	75	79	51	5,824	720	..	456
114	Saluni Charitable Dispensary	III	113	276	2,447	38	..	..	2,874	589	..	405
115	Indpur Charitable Dispensary	III	372	..	1,880	98	..	9	2,359	892	..	336
116	Saltora Charitable Dispensary	III	1,206	28	2,034	231	23	17	3,539	1,188	..	528
117	Simlapal Charitable Dispensary	III	1,533	987	1,895	236	7	22	4,680	1,188	..	684
118	Gangajalghati Charitable Dispensary	III	12	575	1,902	30	46	4	2,569	930	..	372
119	Barjora Charitable Dispensary	III	33	39	2,300	46	..	..	2,418	1,074	..	690
120	Ramdiha Charitable Dispensary	III	118	253	3,173	151	45	1	3,741	1,123	..	924
121	Tajpur Charitable Dispensary	III	373	250	2,235	74	..	140	3,072	1,200	..	387
122	Kuchiakol Charitable Dispensary	III	1,308	..	2,345	32	30	480	4,195	1,123	..	998
123	Patrasayer Charitable Dispensary	III	2,129	836	1,552	424	159	32	5,132	834	..	735
124	Indus Charitable Dispensary	III	4,151	478	2,763	255	194	65	7,906	1,237	..	780
125	Bankura Sammilani School Hos- pital.	IV	875	40,000	2,118	9,424	..	10	52,427	3,700	1,800	15,801
126	Maliara Charitable Dispensary	IV	890	..	175	302	780	..	2,147	780	..	682

Expenditure.											
No.	Name of dispensaries.	Class.	Medicines.	Diet.	Apparatus (repairs and renewals.)	New build- ings, addi- tions to ap- paratus and other Capital expenditure.	Repairs buildings.	Miscellaneous charges including investments, etc., made during the year.	Total expenditure.	Closing cash and other balances.	Average cost of diet per in-patients.
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
A—General Dispensaries.											
Birbham.											
84	Suri Sadar Hospital	..	I	3,143	14,118	..	..	35,060	78,728	44,700	..
85	Sultanpur Charitable Dispensary	III	III	84	..	..	..	114	1,230	30	..
86	Illambazar Charitable Dispensary	III	III	985	..	..	..	338	2,395	..	..
87	Chelia Charitable Dispensary	III	III	563	..	..	250	208	2,285	..	..
88	Muhammad Bazar Charitable	III	III	89	..	..	..	125	1,735	..	..
89	Nanoor Charitable Dispensary	III	III	595	..	..	42	999	2,728	27	..
90	Bolpur Charitable Dispensary	III	III	588	410	..	..	423	3,321	17	0 7 0
91	Saitora Kasba Charitable Dispensary	III	III	354	..	..	..	97	1,824	275	..
92	Hassan Charitable Dispensary	III	III	254	..	..	..	118	1,943	164	..
93	Mayureswar Charitable Dispensary	III	III	300	..	..	250	..	2,124	..	..
94	Kundala Charitable Dispensary	III	III	400	..	..	..	101	1,431	..	..
95	Naihati Charitable Dispensary	III	III	354	..	..	..	156	2,160	163	..
96	Sonarkundu Charitable Dispensary	III	III	220	..	..	..	770	1,763	5	..
97	Rajnagar Charitable Dispensary	U.B.	U.B.	..	..	..	..	..	..	..	..
98	Hinglo Charitable Dispensary	U.B.	U.B.	205	..	62	..	36	1,239	2,368	..
99	Ahmedpur Charitable Dispensary	U.B.	U.B.	..	..	..	..	..	..	..	..
100	Chouhalli Charitable Dispensary	U.B.	U.B.	400	..	..	..	30	1,438	..	..
101	Ratna Dakhigram Charitable	U.B.	U.B.	..	..	..	..	..	..	..	..
102	Lokepara Charitable Dispensary	U.B.	U.B.	394	..	..	..	60	1,032	50	..
103	Barla Charitable Dispensary	U.B.	U.B.	249	..	..	..	52	842	10	..

104	Lohapur Charitable	..	U.B.	303	..	..	..	..	..	652	1,366	1	..
105	Bhadrapur Charitable	..	U.B.	..	..	..	..	..	..	..	..	..	..
106	Palsa Charitable	..	U.B.	42	..	..	..	13	150	12	925	15	..
107	Bhabanipur J. L. Memorial	..	Vill.	385	..	5	..	150	44	44	1,936	..	..

Total		..	..	9,907	14,528	5	62	705	39,395	1,12,445	47,825	..	..
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A—General Dispensaries.

Bankura.

108	Sadar State Managed Hospital	I	..	9,478	..	..	..	..	..	2,368	42,560	3,711	0	15	6
109	Vishnupur State Managed Hos- pital.	I	7,000	4,098	..	..	..	..	..	7,281	36,570	..	..	..	..
110	Gouripur Leprosy Colony	I	4,621	57,098	..	..	..	..	..	23,085	1,22,109	..	1	0	0
111	Sanbanda Charitable	III	169	..	..	..	..	..	..	..	765	28	..	..	..
112	Ratanpur Charitable	III	849	..	..	..	..	..	..	264	3,026	115	..	..	..
113	Onda Charitable	III	199	..	..	..	..	..	..	1,011	2,386	3,438	..	..	..
114	Saluni Charitable	III	470	..	..	..	..	..	..	1,297	2,761	113	..	..	..
115	Indpur Charitable	III	650	..	..	..	..	..	..	1	1,879	480	..	..	..
116	Saltora Charitable	III	464	..	..	..	..	499	..	140	2,819	720	..	..	..
117	Simlapal Charitable	III	976	..	..	..	..	297	..	34	3,179	1,501	..	..	..
118	Gangajalghati Charitable	III	1,175	..	..	..	..	..	..	..	2,477	92	..	..	..
119	Barjora Charitable	III	388	..	..	..	184	..	..	35	2,371	47	..	..	..
120	Ramdiha Charitable	III	1,076	..	..	..	..	..	..	584	3,707	34	..	..	..
121	Tajpur Charitable	III	648	..	..	..	..	..	..	..	2,235	837	..	..	..
122	Kuchiakol Charitable	III	948	..	..	..	..	..	..	112	3,181	1,014	..	..	..
123	Patrasayer Charitable	III	1,891	..	..	..	..	..	..	122	3,582	1,550	..	..	..
124	Indus Charitable	III	1,158	..	..	..	..	160	..	156	3,491	4,415	..	..	..
125	Bankura Sammilani School Hos- pital.	IV	5,353	11,765	392	..	..	165	..	10,920	49,896	2,531	0	12	0
126	Makara Charitable	IV	264	..	..	..	..	17	..	31	1,774	373	..	..	..



No.	Name of dispensary.	Class.	Income.					Expenditure.				
			Opening cash and other balance.	Contributions.		Fees and contributions from patients.	Fund collected by hospital Committees, contributions and donations.	Miscellaneous including interest on investments, sales of securities, etc.	Total receipts.	Salaries.		
				From Government.	From local and municipal bodies.					Medical Officers.	Nurses.	All other establishment.
1	2		3	4	5	6	7	8	9	10	11	12
127	Tiluri C. S. Charitable Dispensary	IV	8	218	680	61	401	..	1,368	300	..	240
128	Raniband Charitable Dispensary	U.B.	213	500	550	62	..	812	2,137	480	..	180
129	Ajodhya Charitable Dispensary	U.B.	81	250	630	122	25	..	1,108	660	..	276
130	Salda Charitable Dispensary	U.B.	217	210	639	100	100	1	1,267	480	..	60
131	Shaspur Charitable Dispensary	U.B.	45	..	250	9	250	..	554	450	..	46
132	Pakhanna J. C. Charitable .. Village		1,660	56	1,743	94	..	24	3,577	1,111	..	264
Total			18,905	2,46,366	39,668	12,686	2,323	1,830	3,21,778	31,636	15,653	88,133

A—General Dispensaries.

Midnapore.

133	M. R. Bangur Sanatorium	..	I	..	1,88,841	..	..	54	1,88,895	14,147	17,685	25,41
134	Contai State Managed Hospital	..	I	..	27,299	..	1,500	224	29,220	2,345	4,536	17,943
135	Tamluk State Managed Hospital	..	I	7	30,305	..	48	32	32,812	3,991	6,382	11,31
136	Jhargram State Managed Hospital.	..	I	..	24,984	1,500	151	20	26,655	10,929	..	..
136	Ghatal State Managed Hospital	..	I	..	23,859	2,820	253	..	26,932	3,589	4,729	10,354
137	Debra Charitable Dispensary	..	I	7,036	..	492	..	218	7,919	370	..	238
137	Shahspur Charitable Dispensary	..	I	666	184	2,256	24	..	3,130	1,200	..	540
138	Garbeta D. B. Hospital	..	III	1,871	728	2,545	267	17	5,504	1,236	..	1,212
139	Satbankura Charitable Dispensary	..	III	16	..	475	..	..	533	180	..	100

140	Amlagore Charitable Dispensary	III	176	..	1,695	315	300	..	2,486	600	..	420
141	Salboni Charitable	III	1,909	651	3,361	228	9	28	6,186	1,656	..	882
142	Satpati Joypur Charitable	III	254	71	400	51	400	..	1,176	420	..	144
143	Uchitpur Charitable	II	629	729	2,329	25	44	10	3,766	1,022	..	1,098
144	Changual Charitable	III	1,014	37	300	962	32	10	2,355	565	..	137
145	Paparara Charitable	III	..	..	550	1,499	..	..	2,049	900	..	130
146	Belda Charitable	III	36	..	1,327	89	..	..	1,452	760	..	50
147	Narayangarh Charitable	III	10,134	815	3,353	19	526	..	14,847	1,656	..	1,364
148	Gurdula Charitable	III	..	..	447	208	497	3	1,155	900	..	10
149	Nahapara Charitable	III	223	..	600	95	..	..	918	600	..	..
150	Dantan Charitable	III	3,178	885	3,300	93	22	52	7,530	1,656	..	1,412
151	Keshiary Charitable	III	1,781	836	1,912	15	103	..	4,637	1,104	420	606
152	Pingla Charitable	III	2,032	685	2,815	120	71	..	5,723	1,178	..	1,047
153	Gobardhanpur Charitable	III	214	57	198	24	..	..	493	385	..	44
154	Janka Charitable	III	9,525	480	2,065	68	62	133	12,333	1,032	..	1,237
155	Bhagwanpur Charitable	III	6,517	608	2,419	80	21	443	10,088	1,032	..	1,156
156	Ramnagar Charitable	III	2,796	5	2,877	118	112	80	5,988	1,188	..	1,452
157	Egra Charitable	III	2,248	842	2,426	192	6	..	5,714	859	..	576
158	Kelomal Charitable	III	432	664	3,342	44	61	6	4,549	1,656	..	1,696
159	Muradpur Charitable	III	7,361	480	2,305	49	..	38	10,233	1,428	661	624
160	Geonkhali Charitable	III	5,020	508	2,767	..	39	163	8,497	1,688	..	1,200
161	Sutahata Charitable	III	3,405	..	1,813	163	10	1,557	6,948	1,127	..	1,014
162	Moyna Charitable	III	322	57	2,498	177	9	2	3,065	1,031	..	1,467
163	Kalaghat Charitable	III	125	536	3,144	60	38	3	3,906	1,656	..	1,332
164	Pratappur Charitable	III	1,601	980	1,651	233	..	..	4,465	824	..	973
165	Raghunathbari Charitable	III	568	122	141	268	..	10	1,109	360	..	84
166	Chandri Charitable	III	59	841	3,423	14	22	..	4,359	1,656	..	1,296
167	Beliaberap Charitable	III	2,612	2,102	3,018	150	..	86	7,968	2,195	1,377	..
168	Rohini Charitable	III	607	656	2,977	..	..	..	4,240	1,656	..	1,114
169	Silda Charitable	III	5,035	728	2,828	216	94	..	8,901	1,380	..	1,356

No.	Name of dispensaries.	Expenditure.										Average cost of diet per in-patients.
		Medicines.	Diet.	Apparatus (repairs and renewals.)	New build-ings, addi-tions to ap-paratus and other Capita expenditure	Repairs buildings.	Miscellaneous charges including investments, etc., made during the year.	Total expenditure.	Closing cash and other balances.			
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
1	2	13	14	15	16		18	19	20	21		
		Class.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
127	Tiluri C. S. Charitable	..	..	..	42	..	142	1,347	21	..		
128	Raniband Charitable	..	..	..	..	193	449	1,846	291	..		
129	Ajodhya Charitable	..	..	..	..	..	6	1,054	54	..		
130	Salda Charitable	..	..	..	..	100	34	1,106	161	..		
131	Shaspur Charitable	..	..	..	..	..	13	509	45	..		
132	Pakhanna J. C. Charitable	..	..	..	..	..	110	2,376	1,201	..		
	Total	..	82,439	392	606	1,431	48,195	2,99,006	22,772	..		

A—General Dispensaries.

Midnapore.

133	M. R. Fangur Sanatorium	..	..	..	..	..	23,030	1,88,895	..	2
134	Contai State Managed Hospital	..	..	..	..	..	..	29,220	..	..
135	Tamluk State Managed Hospital	..	..	..	..	..	3,785	32,810	2	..
136	Jhargram State Managed Hos-pital.	..	..	..	..	..	9,751	26,655	..	1
136A	Ghatal State Managed Hospital	..	..	..	..	..	782	23,859	3,073	..
137	Debra Charitable Dispensary	..	..	..	..	30	15	867	7,052	..
137A	Shaspur Charstable Dispensary	..	..	..	..	..	82	2,440	690	..
138	Garbeta D. B. Hospital	..	..	..	..	50	190	3,381	2,123	..
139	Satbankura Charitable Dispensary	..	..	..	..	..	83	510	23	..



140	Amlaogore Charitable Dispensary	III	1,206	..	..	..	..	..	20	2,246	240	..
141	Salboni Charitable	III	875	..	..	..	..	598	4,011	2,175	..	..
142	Satpati Joypur Charitable	III	477	..	..	..	9	45	1,095	81	..	..
143	Uchitpur Charitable	III	838	..	..	..	..	99	3,057	709	..	..
144	Changual Charitable	III	609	..	..	..	..	55	1,366	989	..	..
145	Paporara Charktable	III	817	..	..	..	..	12	1,909	140	..	..
146	Belda Charitable	III	560	..	..	..	..	58	1,428	24	..	..
147	Narayangarh Charitable	III	796	..	..	..	518	52	4,386	10,461	..	..
148	Guurdula Charitable	III	210	..	..	..	25	10	1,155	..	..	..
149	Nahapara Charitable	III	135	..	2	..	39	37	813	105	..	..
150	Dantan Charitable	III	1,365	..	..	..	..	83	4,516	3,014	..	..
151	Keshiary Charitable	III	550	..	..	..	..	68	2,748	1,899	..	..
152	Pingla Charitable	III	716	..	..	..	..	86	3,027	2,696	..	..
153	Gobardhanpur Charitable	III	57	..	..	..	..	6	492	1	..	..
154	Janka Charitable	III	..	..	..	..	350	131	2,750	9,583	..	..
155	Bhagwanpur Charitable	III	549	..	..	..	..	198	2,935	7,153	..	..
156	Ramnagar Charitable	III	13	..	..	..	49	269	2,971	3,017	..	..
157	Egra Charitable	III	516	..	..	..	50	1,182	3,183	2,531	..	..
158	Kelomal Charitable	III	519	63	..	..	..	93	4,027	522	..	..
159	Muradpur Charitable	III	..	..	..	..	..	72	2,785	7,448	..	..
160	Geonkhali Charitable	III	384	..	119	..	..	83	3,474	5,023	..	..
161	Sutahata Charitable	III	640	..	35	..	25	90	2,931	4,017	..	..
162	Moyna Charitable	III	94	..	..	..	..	163	2,755	310	..	..
163	Kolaghat Charitable	III	608	..	..	..	186	84	3,866	40	..	..
164	Pratappur Charitable	III	799	..	..	..	..	274	2,870	1,595	..	..
165	Raghunathbari Charitable	III	337	..	..	..	..	20	801	308	..	..
166	Chandri Charitable	III	1,101	..	..	..	175	36	4,264	95	..	..
167	Beliaberap Charitable	III	1,380	..	..	..	..	189	5,141	2,827	..	..
168	Rahini Charituable	III	797	..	..	..	..	66	3,633	607	..	..
169	Silda Charitable	III	656	..	..	..	50	147	3,589	4,312	..	..

No.	Name of dispensary.	Class.	Income.						Expenditure.				
			Opening cash and other balance.	Contributions.			Fees and contributions from patients.	Fund collected by hospital committees, contributions and donations.	Miscellaneous including interest on investments, sales of securities, etc.	Total receipts.	Salaries.		
				From Government.	From local and unicapal bodies.	Rs.					Medical Officers.	Nurses.	All other establishment.
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
2													
170	Kharar Municipal	..	1,944	..	1,894	175	33	..	..	4,046	512	160	..
171	Binsigha D. B.	..	894	752	2,451	100	50	4	..	4,251	999	..	1,536
172	Irphala D. B.	..	164	34	2,882	..	..	2	..	3,082	1,210	..	983
173	Nischindipur D. B.	..	421	587	3,381	139	24	14	..	4,566	995	..	912
174	Daspure Charitable	..	362	257	2,362	90	839	5	..	3,915	1,032	..	1,253
175	Sonakhali Charitable	..	605	1,983	2,732	100	36	..	..	5,456	1,083	..	1,065
176	Nandanpore U. B.	..	193	..	546	123	..	..	..	862	600	..	168
177	Goaltore Pingbari U. B.	..	76	250	300	120	..	..	..	746	390	..	26
178	Protapdighi Board	..	1,678	499	3,472	30	..	..	..	5,679	1,556	..	984
179	Narajol Raj	..	..	14	..	..	2,190	..	..	2,204	960	..	612
180	Knapur U. B.	..	18	115	715	43	..	..	..	891	700	..	25
181	Bonai Sarada Prosanna Charitable.	I	4	..	200	101	529	251	..	1,085	624	..	..
182	Mchar Dinabandhu Charitable	IV	..	..	400	58	362	720	..	1,540	840	..	300
183	Hamirpur Charitable	..	66	..	197	..	25	..	..	288	180	..	12
184	Patashpur Charitable	..	676	..	250	6	100	..	..	1,032	..	..	..
185	Mahammadpore (Rampopi) Charitable.	I	8,346	145	394	..	..	4,493	..	13,378	2,000	600	296
186	Manikpara Charitable	..	72	..	..	116	1,766	500	..	2,454	960	..	714
187	Nayagram Charitable	..	334	..	400	155	300	..	..	1,189	540	..	..
188	Co-operati ve , Paikmajita	..	8	40	246	46	654	216	..	1,210	360	112	48
188A	R. K. Mission Serashram Charitable	IV	1,0381	..	640	..	1,865	1,547	..	14,433	200	..	339

189	Natuk Co-operative	..	IV	818	68	300	177	17	13	1,393	500	..	299
190	Panskura Charitable	..	U.B.	..	..	139	12	..	..	151	90	45	..
191	Chirapova U. B. Charitable	..	U.B	..	..	823	108	7	..	938	480	..	8
Total				1,06,469	3,15,319	99,513	7,762	13,518	10,954	5,53,535	88,968	36,707	1,00,702

A—General Dispensaries.

Hoghly.

192	Walsh Hospital	..	I	8,455	76,168	150	..	5,764	7,841	98,378	5,073	19,456	24,312
193	Uttarpara Hospital	..	I	16,776	26,782	..	..	1,800	1,852	47,210	3,600	5,934	6,664
194	Arambagh Hospital	..	I	..	31,131	..	..	..	55	31,186	2,812	4,973	11,391
195	Darbasini District Board	..	III	187	954	2,213	151	..	2	3,507	1,002	..	1,256
196	Bilsoora District Board	..	III	502	410	267	304	..	2,095	3,578	1,377	..	981
197	Mondulai District Board	..	III	..	405	939	1,742	..	..	3,086	943	..	1,055
198	Tetulia District Board	..	III	..	..	2,436	200	..	..	2,636	998	687	526
199	Basna District Board	..	III	..	..	1,775	219	..	323	2,317	924	516	552
200	Kamrul District Board	..	III	..	..	1,871	315	..	90	2,276	1,156	..	1,071
201	Jarul District Board	..	III	..	250	931	192	500	300	2,173	924	438	309
202	Dasghara District Board	..	III	722	406	2,387	136	..	150	3,801	1,152	..	1,083
203	Bhanderhati District Board	..	III	66	413	2,043	325	2	70	2,919	1,082	634	324
204	Makhalpur District Board	..	III	..	250	461	72	..	100	883	300	..	360
205	Babnan District Board	..	III	..	..	2,351	338	..	..	2,689	1,212	687	495
206	Petambar District Board	..	III	1,389	480	1,800	279	162	356	4,466	1,066	571	256
207	Telinipara District Board	..	III	7,711	864	4,092	512	646	38	13,863	1,519	888	2,118
208	Khalsini District Board	6	III	..	..	2,222	158	12	3	2,395	924	687	552
209	Champadanga	..	III	74	..	3,108	278	20	3	3,483	999	687	552
210	Berah	..	III	82	525	1,891	542	3	90	3,133	1,452	..	879
211	Baganda	..	III	76	250	1,444	216	21	599	2,606	1,137	544	324
212	Bhanderhati	..	III	430	164	2,601	323	115	60	3,693	1,152	..	997



Expenditure.											
No.	Name of dispensaries.	Class.	Medicines.	Diet.	Apparatus (repairs and renewals.)	New build- ings, addi- tions to ap- paratus and other Capital expenditure.	Repairs buildings.	Miscellaneous charges including investments, etc., made during the year.	Total expenditure.	Closing cash and other balances.	Average cost of diet per in-patients.
1	2		13	14	15	16	17	18	19	20	21
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
170	Kharar Municipal	III	149	..	..	..	233	23	1,077	2,969	..
171	Birsingha D. B.	III	533	..	..	..	..	133	3,201	1,050	..
172	Irphala D. B.	III	508	..	..	..	..	30	2,731	351	..
173	Nischindipur D. B.	III	1,175	..	..	30	900	60	4,102	464	..
174	Daspore Charitable	III	740	..	..	..	400	72	3,497	418	..
175	Sonakhali Charitable	III	862	..	..	..	..	63	3,073	2,383	..
176	Nandanpore U. B. Char table	III	..	..	..	..	..	18	786	76	..
177	Goaltore Pingbari U. B.	III	..	..	..	..	..	..	416	330	..
178	Protapdighi Board	IIIB	833	..	..	..	450	159	3,982	1,697	..
179	Narajol Raj	III	458	..	..	..	36	138	2,204	..	..
180	Knapur U. B.	III	129	..	..	4	..	12	870	21	..
181	Bonai Sarada Prosanna Charita- table.	IV	410	..	..	..	19	32	1,085	..	..
182	Mohar Dinabandhu Charitable	IV	325	..	..	..	60	15	1,540	..	..
183	Hajirpur Charitable	IV	31	..	..	..	..	8	231	57	..
184	Patashpur Charitable	IV	..	..	..	773	..	5	778	254	..
185	Mahammad (Ramgopin) Chari- table.	IV	1,010	345	25	..	86	140	4,502	8876	..
186	Manikpara Charitable	IV	..	..	..	..	261	389	2,324	130	..
187	Nayagram Charitable	IV	346	..	..	..	..	32	918	271	..
188	Paikmajila Co-operative	IV	222	..	157	..	12	19	930	280	..
188A	R. K. Mission Serashram Chari- table.	IV	531	400	30	..	..	3,119	4,619	9,814	..

189	Natuk Co-opeartive	..	IV	302	..	87,573	368	807	4,133	46,498	4,37,938	1,15,597	271	1,122	21	..	..
190	Panskura Charitable	..	U.B.	..	..	..	..	..	..	6	151	..	..	..	..	..	..
191	Chiraprova U. B. Chanda Charitable.	..	U.B.	330	..	..	..	..	120	..	938	..	..	..	..	..	..
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Total		..		72,182	87,573	368	807	4,133	46,498	4,37,938	1,15,597	..	<hr/>				
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A—General Dispensaries—contd.																	
Hooghly.																	
192	Walsh Hospital	..	I	..	25,847	..	..	..	..	..	74,688	23,690	..	..	..	..	..
193	Uttarpara Hospital	..	I	2,036	4,091	..	2,600	..	..	1,857	26,782	20,428	0	13	0	0	0
194	Arambagh Hospital	..	I	118	9,211	..	..	..	657	2,024	31,186	..	..	..	1	0	0
195	Darbasini District Board	..	III	691	..	..	..	..	425	78	3,452	55	..	..	..	..	..
196	Bilsoora District Board	..	III	623	..	..	..	..	..	95	3,076	502	..	..	..	..	..
197	Mondulai Disrict Board	..	III	809	..	..	..	..	170	109	3,086	..	..	..	..	..	..
198	Tetulia District Board	..	III	345	..	..	..	..	..	80	2,636	..	..	..	..	..	..
199	Basna Union Board	..	III	251	74	..	..	..	..	..	2,317	..	..	..	..	..	..
200	Kamrul Union Board	..	III	..	..	..	..	..	..	49	2,276	..	..	..	..	..	..
201	Jarul Union Board	..	III	434	68	..	..	..	..	..	2,173	..	..	..	..	..	..
202	Dasghara Union Board	..	III	764	..	..	..	..	..	80	3,079	722	..	..	..	..	..
203	Bhanderhati	..	III	759	..	..	..	..	..	52	2,581	68	..	..	..	..	..
204	Makhalpur Union Board	..	III	223	..	..	..	..	..	..	883	..	..	..	..	..	..
205	Babnan Union Board	..	III	295	..	..	..	..	..	..	2,689	..	..	..	..	..	..
206	Petambar Union Board	..	III	543	..	..	..	..	101	80	2,617	1,849	..	..	..	..	..
207	Telinipara Union Board	..	III	1,070	..	..	..	..	..	10	5,605	8,258	..	..	..	..	..
208	Khalsini Union Board	..	III	174	..	..	..	..	..	43	2,380	15	..	..	..	..	..
209	Champdanga	..	III	..	..	..	..	..	1,032	116	3,386	97	..	..	..	..	..
210	Berah	..	III	578	..	..	..	..	..	139	3,048	85	..	..	..	..	..
211	Baganda	..	III	420	..	..	..	..	..	84	2,509	97	..	..	..	..	..
212	Bhanderhati	..	III	560	..	..	..	..	380	59	3,148	545	..	..	..	..	..

No.	Name of dispensary.	Class.	Income.					Expenditure.				
			Opening cash and other balance.	Contributions.		Fees and contributions from patients.	Fund collected by hospital Committees, charities, contributions and donations.	Miscellaneous including interest on investments, sales of securities, etc.	Total receipts.	Salaries.		
				From Government.	From local and municipal bodies.					Medical Officers.	Nurses.	All other establishment.
1	2		3	4	5	6	7	8	9	10	11	12
213	Guti	..	..	..	1,726	361	..	658	2,745	1,452	531	24
214	Haripal	..	..	..	2,360	273	..	748	3,381	1,827	..	1,011
215	Badanganj	..	..	..	2,641	119	..	..	2,760	1,056	..	1,239
216	Khanakul	..	360	..	2,901	326	20	..	3,607	1,260	..	1,239
217	Chilandighi	..	1,949	650	580	..	50	56	3,285	420	..	259
217A	Kodalia Debanandpur U. B.	..	..	292	1,503	84	..	..	1,879	720	..	624
218	Pandua Thana U. B.	..	..	944	1,278	494	..	..	2,716	720	..	950
219	Haruldaspur U. B.	..	..	490	417	321	..	..	1,228	480	..	300
220	Panchghara U. B.	..	163	310	401	415	..	21	1,310	480	240	60
221	Vitasen (Simlagarh) U. B.	..	..	364	634	110	..	..	1,108	495	..	291
222	Baloon U. B.	..	131	287	141	104	..	..	663	..	..	468
223	Jamna U. B.	..	24	360	414	127	..	..	925	420	..	..
224	Mogra U. B.	..	..	1,028	1,242	1,115	..	..	3,385	660	..	720
225	Digsai U. B.	..	20	458	550	215	..	..	1,243	..	..	579
226	Damurhuda, Nityanandapur U. B.	..	88	250	625	120	36	..	1,119	720	238	45
227	Soara U. B.	..	..	160	366	38	180	..	744	420	..	24
228	Milki-Khejrdaha U. B.	..	..	575	665	821	..	..	2,001	520	..	228
229	Palba U. B.	..	573	553	374	326	..	..	1,826	420	180	96
230	Amran U. B.	..	..	310	647	274	..	..	1,231	488	88	66
231	Akna U. B.	..	..	460	530	263	158	..	1,411	420	..	559
232	Sugandha U. B.	..	..	541	744	268	..	210	1,763	560	130	70



233	Begampur U. B.	..	U.B.	446	250	301	28	50	19	1,094	440	..	139
234	Seakhola U. B.	..	U.B.	125	250	431	169	..	..	975	420	207	277
235	Rajbalhat U. B.	..	U.B.	123	250	325	120	..	..	818	300	238	..
236	Harinakhola U. B.	..	U.B.	..	325	840	315	..	..	1,480	420	..	192
237	Mayapur U. B.	..	U.B.	18	375	125	39	40	..	597	420	..	18
238	Tiral U. B.	..	U.B.	58	500	250	26	250	125	1,209	420	60	..
239	Keshabpur U. B.	..	U.B.	4	287	125	..	400	..	816	300	..	156
240	Batanal U. B.	..	U.B.	10	250	379	12	..	..	651	420	48	97
241	Goghat U. B.	..	U.B.	..	553	433	127	..	..	1,113	495	..	252
242	Kumargukur U. B.	..	U.B.	58	252	545	55	..	..	910	420	..	204
243	Balidewanganj U. B.	..	U.B.	..	305	840	..	..	..	1,145	420	..	180
244	Nakunda U. B.	..	U.B.	..	470	125	593	190	..	1,378	360	..	60
245	Balipur U. B.	..	U.B.	45	355	570	197	..	..	1,167	700	..	112

Total	..	..	..	40,665	1,51,906	61,010	14,157	10,419	15,864	2,94,021	49,877	38,712	66,896
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A.—General Dispensaries.

Howrah.

246	Uluberia State Managed Hospital	..	S.M	..	21,699	2,413	..	994	..	25,106	4,223	5,813	8,533
247	Bantor Ch.	..	III	..	5	6,967	..	..	..	6,972	1,903	..	2,605
248	Lillooah Ch.	..	III	5,614	748	5,375	..	145	15	11,897	1,298	..	2,715
249	Bally Beems Ch.	..	III	18,503	1,127	9,890	..	149	1,096	30,765	2,804	..	5,400
250	Rajganj Ch.	..	III	..	1,034	5,025	1,130	..	21	7,210	1,870	..	2,073
251	Baltikari K. N. Ch.	..	III	..	548	2,878	303	..	1,680	5,409	1,416	..	2,179
252	Domjur Ch.	..	III	461	1,285	4,307	355	..	..	6,408	1,308	..	2,064
253	Mahuary Ch.	..	III	..	934	4,129	..	..	418	5,481	1,751	872	900

## Expenditure

No	Name of dispensaries	Class.	Medicines	Diet	Apparatus (repairs and renewals.)	New build- ings, addi- tions to ap- paratus and other Capital expenditure	Repairs buildings	Miscellaneous charges including investments, etc., made during the year	Total expenditure	Closing cash and other balances	Average cost of diet per in-patients
1	2		13	14	15	16	17	18	19	20	21
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
213	Huti	III	304	..	..	..	..	134	2,745	..	..
214	Haripal	III	293	..	..	150	..	100	3,381	..	..
215	Badanganj	III	465	..	..	..	..	..	2,760	..	..
216	Khanakul	III	350	98	280	..	..	..	3,227	380	..
217	Chilandighi	U.B.	914	..	..	..	..	60	1,653	1,632	..
217A	Kodelia Debanandpur Union Board.	U.B.	469	..	..	..	..	66	1,879	..	..
218	Pandua Thana	U.B.	944	..	..	..	..	102	2,716	..	..
219	Haruldaspur	U.B.	443	..	..	..	..	5	1,228	..	..
220	Panchghara	U.B.	475	..	..	..	..	51	1,306	4	..
221	Vitaseen (Simlagarh)	U.B.	271	..	..	..	..	51	1,108	..	..
222	Baloon	U.B.	37	..	..	..	..	5	510	153	..
223	Jamna	U.B.	362	..	..	..	..	67	849	76	..
224	Mogra	Y.B.	1,925	..	..	..	..	80	3,385	..	..
225	Digsai	U.B.	596	..	..	..	..	58	1,233	10	..
226	Damurhuda, Nityanandapur	U.B.	22	..	..	..	..	11	1,036	83	..
227	Soara	U.B.	285	..	..	..	..	15	744	..	..
228	Melki-Khijurdaha	U.B.	1,195	..	..	..	..	118	2,061	..	..
229	Palba	U.B.	348	..	..	..	125	84	1,253	573	..
230	Amran	U.B.	521	..	..	..	..	68	1,231	..	..
231	Akna	U.B.	359	..	..	..	36	37	1,411	..	..
232	Sugandha	U.B.	666	..	..	..	..	105	1,531	232	..

233	Begampur	..	U.B.	70	..	..	..	..	17	666	..	328	..
234	Seakhola	..	U.B.	125	..	..	..	..	36	940	..	35	..
235	Rajbalhat	..	U.B.	40	..	..	..	..	57	685	..	133	..
236	Harlnakhola	..	U.B.	725	..	..	..	69	74	1,480	..	..	..
237	Mayapur	..	U.B.	125	..	..	..	..	15	578	..	19	..
238	Tirol	..	I.B.	189	..	..	..	..	488	1,157	..	52	..
239	Keshabpur	..	U.B.	320	..	..	..	..	36	812	..	4	..
240	Batanal	..	U.B.	..	..	..	..	..	80	645	..	6	..
241	Goghat	..	U.B.	338	..	..	..	..	28	1,113	..	..	..
242	Kumarpukur	..	U.B.	210	..	..	..	..	28	862	..	48	..
243	Balidewanganj	..	U.B.	522	..	..	..	..	23	1,145	..	..	..
244	Nakunda	..	U.B.	847	..	..	..	..	111	1,378	..	..	..
245	Balipur	..	U.B.	186	..	19	..	..	17	1,034	..	133	..
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Total				25,509	39,389	299	2,750	2,995	7,182	2,33,609	60,412	..	..
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A—General Dispensaries—contd.

Howrah.

246	Uluberia State Managed Hospital	..	S.M	..	4,920	..	..	..	1,617	25,106	..	..	0 15 6
247	Bantar Charitable	..	III	2,422	..	..	..	..	42	6,972	..	..	..
248	Lillooah Charitable	..	III	1,469	..	..	..	..	1,564	7,046	4,851	..	..
249	Bally Beems Charitable	..	III	3,094	228	..	..	32	922	12,480	18,285	1 4 0	..
250	Rajganj Charitable	..	III	1,966	..	..	..	..	168	6,077	1,133	..	..
251	Baltikari K. N. Charitable	..	III	875	..	22	..	300	617	5,409	..	..	..
252	Domjur Charitable	..	III	835	..	..	..	..	100	4,307	2,101	..	..
253	Mahiary Charitable	..	III	1,794	..	..	..	..	164	5,481	..	..	..



No.	Name of dispensary.	Class.	Income.						Expenditure.			
			Opening cash and other balance.	Contributions.		Fees and contributions from patients.	Fund collected by hospital Committees, charities, contributions and donations.	Miscellaneous including interest on investments, sales of securities, etc.	Total receipts.	Salaries.		
				From Government.	From local and municipal bodies.					Medical Officers.	Nurses.	All other establishment.
1	2		3	4	5	6	7	8	9	10	11	12
254	Garbellia Ch.	..	..	827	3,273	..	..	1,446	5,546	1,454	..	2,020
255	Deulpur Ch.	..	320	768	4,068	368	208	770	6,502	1,877	..	1,937
256	Salkia Ch.	..	..	..	6,352	..	..	..	6,352	1,588	..	2,324
257	Shyampur Ch.	..	..	72	4,421	125	174	..	4,792	1,595	..	1,548
258	Amta Ch.	..	124	761	4,170	630	43	300	6,028	701	..	2,607
259	Borda Ch.	..	..	963	2,449	541	..	993	4,946	1,315	..	1,712
260	Khatora Ch.	..	29	654	775	..	337	469	2,264	480	..	420
261	Gayeshpore I. U. B. Ch.	..	88	..	640	116	..	..	844	420	90	..
262	Nabagram Ch.	..	194	..	390	..	..	..	584	374	..	20
263	Chandrabhag Ch.	..	5,709	6	375	2,255	..	..	8,345	600	430	20
264	Panpur Tarani Charan Ch.	..	1,947	590	500	2,376	48	11	5,472	600	..	696
265	Bally Ch.	..	295	408	1,337	..	203	2	2,245	744	..	612
266	Bankra Ch.	..	..	503	298	..	..	..	801	300	..	42
267	Udang Ch.	..	401	280	125	621	..	..	1,427	240	..	81
Total			33,685	33,212	70,157	8,820	2,301	7,221	1,55,396	28,861	7,205	40,508

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A—General Dispensaries—contd.

24-Parganas.

268	Bangaon State Managed Hospital	S.M.	25	23,774	..	..	254	210	24,263	3,096	6,378	10,749
269	Diamond Harbour State Managed Hospital.	S.M.	127	26,317	..	..	..	..	26,444	3,080	6,953	9,815

Basirhat State Managed Hospital											
270	Basirhat State Managed Hospital	I	..	29,984	..	..	..	..	..	29,984	10,095
271	Canning Town Hospital	III	845	160	2,849	246	480	..	..	4,580	1,388
272	Derisabad Charitable	III	26	275	2,408	111	..	546	..	3,366	996
273	Bhango	III	328	..	2,841	199	17	..	..	3,385	1,242
274	Bisnupur Charitable	III	2,326	40	2,202	298	..	..	..	4,866	480
275	Baruipur Charitable	III	3,002	..	2,600	34	..	106	..	5,742	976
276	Panchgachia Charitable	III	..	19	3,727	140	..	150	..	4,036	1,200
277	Jaynagar Hospital	III	..	601	2,738	963	17	..	384	4,319	1,248
278	Dhakhin Barasat Hospital	III	106	13	3,016	262	..	..	..	3,397	1,161
279	Hasimoni Hospital	III	689	504	1,493	..	21	10	326	2,717	690
280	Kalikapur Hospital	III	64	..	..	69	2,072	7	396	2,212	..
281	Barisha Hospital	III	358	44	12,216	515	413	..	2,302	13,546	3,389
282	Budge Budge Hospital	III	9,219	..	18,525	..	..	..	1,806	27,744	5,332
283	Garden Reach Hospital	III	..	..	7,501	..	..	..	..	7,501	2,700
284	Wallea Charitable	III	44	5,161	..	..	..	..	..	5,205	2,408
285	Bhatpara Charitable	III	1,964	62	12,801	583	..	..	..	15,410	4,107
286	Narayanpur Charitable	III	5	267	3,376	130	..	..	..	3,778	1,356
287	Nabaganj Charitable	III	935	29	3,035	..	12	13	..	4,024	1,248
288	Naihati Charitable	III	14,142	1	12,012	729	17	..	2,087	26,901	4,594
289	Kharda Charitable	III	102	..	1,959	..	..	..	..	2,061	804
290	South Dum Dum Charitable	III	797	22	12,987	..	71	..	1,314	13,877	3,426
291	Kotra Charitable	III	176	..	1,726	79	..	..	..	1,981	420
292	Dadpur-Kadamgachi Charitable	III	..	..	2,814	38	..	..	..	2,852	996
293	Raitara Charitable	III	181	..	2,927	155	..	..	..	3,263	1,500
294	Nawapara Charitable	III	271	50	3,696	139	..	..	..	4,156	1,296
295	Amdanga Charitable	III	75	80	3,135	225	..	..	..	3,515	1,220
295a	Dhulia-Deganga Charitable	III	148	..	1,844	60	2	66	..	2,120	444
296	Gangadharpur	III	3,415	47	2,538	390	11	..	..	6,401	995
297	Chowcheria Charitable	III	282	..	3,181	123	6	132	..	3,724	995
298	Bhabla Charitable	III	95	307	2,662	69	..	..	..	3,133	1,260

No.	Name of dispensaries.	Expenditure.										Average cost of diet per in-patients.
		Medicines.	Diet.	Apparatu (repairs and renewals.)	New building, additions to apparatus and other Capital expenditure.	Repairs buildings.	Mi cellaneous charge including investments, etc., made during the year.	Total expenditure.	Closing cash and other balances.			
1	2	Class.	13	14	15	16	17	18	19	20	21	
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
254	Garbelia Charitable	..	1,675	..	..	..	233	164	5,546	..	..	
255	Deulpur Charitable	..	1,774	..	..	..	300	155	6,043	459	..	
256	Salkia Charitable	..	2,301	..	..	..	..	139	6,352	..	..	
257	Shyampur Charitable	..	1,029	..	..	..	300	146	4,618	174	..	
258	Amta Charitable	..	862	..	..	300	..	1,471	5,941	87	..	
259	Borda Charitable	..	1,754	..	..	..	..	165	4,946	..	..	
260	Khatora Charitable	..	944	..	..	..	..	277	2,121	143	..	
261	Gayeshpore I. U. B. Charitable	..	243	..	..	..	..	12	765	79	..	
262	Nabagram Charitable	..	100	..	..	..	..	6	500	84	..	
263	Chandrabhag Charitable	..	654	..	..	..	..	320	2,024	6,321	..	
264	Panpur Tarini Charan Chaitable	..	2,397	..	..	..	12	85	3,790	1,682	..	
265	Bally Charitable	..	754	..	..	..	..	41	2,151	94	..	
266	Bankra Charitable	..	455	..	..	..	..	4	801	..	..	
267	Udang Charitable	..	665	..	..	..	..	5	991	436	..	
Total		..	28,062	5,148	22	300	1,177	8,184	1,19,467	35,929	..	

A--General Dispensaries--contd.

24-Parganas.

268	Bangaon State Managed Hospital	S.M	..	2,680	..	..	1,335	24,238	25	0 15 0
269	Diamond Harbour State Managed Hospital.	S.M	60	4,438	..	..	1,971	26,317	127	0 8 0





No.	Name of dispensary.	Class.	Income.						Expenditure.			
			Opening cash and other balance.	Contributions.		Fees and contributions from patients.	Fund collected by hospital Committees, charities, contributions and donations.	Miscellaneous including interest on investments, sales of securities, etc.	Total receipts.	Salaries.		
				From Government.	From local and municipal bodies.					Meical Officers.	Nurses.	All other establishment.
1	2		3	4	5	6	7	8	9	10	11	12
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
299	Shikrakuligram Charitable	III	5	..	3,640	210	..	..	3,855	1,970	..	1,236
300	Hingalganj Charitable	III	40	23	3,360	70	..	..	3,493	1,740	..	1,080
301	Jogeshganj Charitable	III	..	..	2,541	103	..	43	2,687	1,485	..	1,056
302	Dholtukri Charitable	III	15	40	1,155	226	..	..	1,436	985	..	396
303	Rameswarpur Charitable	III	..	30	2,065	279	..	..	2,374	1,248	..	396
304	Sarparajpur Charitable	III	130	196	3,675	48	..	..	4,049	1,530	849	396
305	Dhakhin-Chatra Charitable	III	28	42	2,217	110	..	..	2,397	1,131	..	1,086
306	Jadurhati Charitable	III	113	395	2,667	94	..	..	3,269	1,096	656	456
307	Dhonpota Charitable	III	..	300	250	..	55	..	605	..	..	72
308	Pearce Charitable	III	16	15	2,551	71	..	..	2,653	1,127	..	1,057
309	Horoa Charitable	III	190	48	3,752	110	..	9	4,109	1,845	..	1,302
310	Sagore Charitable	III	58	..	128	2,124	..	..	2,310	1,020	..	1,056
311	Tentulia Chzritable	III	566	37	3,772	95	..	..	4,470	2,219	872	420
312	Charghat Charitable	III	71	250	2,190	187	..	..	2,698	1,046	..	944
313	Sandeshkhali Charitable	III	221	400	2,691	56	14	..	3,382	848	..	420
314	Magrahat Charitable	III	7,717	15	4,508	237	..	115	12,592	1,848	852	456
315	Ghateswar Charitable	III	339	250	4,092	220	9	12	4,922	1,620	..	1,392
316	Saguna Charitable	III	79	..	3,226	132	..	..	3,437	998	1,140	..
317	Harindanga Charitable	III	20	..	2,415	155	..	..	2,590	1,434	..	1,125
318	Goda-Mathurapur Charitable	III	8	34	2,164	108	..	..	2,314	1,139	..	396
319	Kolsur D. N. Charitable	III	243	25	3,668	114	..	13	4,063	1,990	1,268	..
320	Kasba Silver Jubilee Charitable	III	..	..	4,792	..	..	..	4,792	1,170	1,517	..

321	Gourapota Charitable	..	III	..	1,638	..	235	..	..	1,873	900	973	..
322	Shebhati Charitable	..	III	..	..	1,476	52	..	..	1,528	1,080	396	..
323	Chatta Mohestola Charitable	..	III	..	76	2,307	294	..	..	2,677	1,163	650	494
324	Kakadwip Charitable	..	III	1,674	..	2,562	58	..	26	4,320	1,444	..	1,118
325	Saidpur Charitable	..	IV	27	..	100	265	471	210	1,073	420	..	176
326	Furtabad Charitable	..	U.B.	2,184	250	300	49	20	..	2,803	300	..	..
327	Mulipota Charitable	..	U.B.	92	750	1,300	206	191	81	2,620	855	..	204
328	Bayra Charitable	..	U.B.	2	500	850	316	..	45	1,713	480	..	276
District Total				..	53,585	93,071	2,03,223	11,781	4,153	1,794	3,67,607	93,844	38,869
				..	..	..	..	..	..	..	..	..	95,540

A—General Dispensaries—Contd.

Nadia.

335	Ranaghat Subdivision Hospital	..	State Manged.	..	19,215	1,520	..	85	42	20,862	3,135	4,296	8,583
336	Ashannagar District Board	..	IIIB	1,930	18	4,548	366	..	..	6,862	1,310	842	611
337	Nabadwip Garrett Hospital	..	IIIB	1,671	2,081	9,830	4,663	136	174	18,555	2,460	1,197	5,483
337A	T. N. Memorial . Kalinga	..	III	117	..	3,110	251	197	..	3,675	960	..	1,488
338	Bunpur Charitable	..	III	323	48	3,770	415	..	..	4,556	1,310	..	1,468
339	Bhajanghat Charitable	..	III	23	26	3,470	258	24	..	3,801	1,320	..	1,411
340	Majhergram Charitable	..	III	1,644	323	3,516	957	126	..	6,566	1,260	..	1,176
341	Debagram Charitable	..	III	..	114	3,342	..	12	649	4,117	1,360	..	1,460
342	Barnia Charitable	..	III	..	250	250	227	927	..	1,654	900	..	264
343	Betai Charitable	..	III	1,014	236	2,833	393	..	..	4,476	960	..	1,363
344	Tehatta Charitable	..	III	276	160	3,105	1,069	..	..	4,610	1,810	650	662
345	Narayanpur Charitable	..	III	498	216	3,165	649	..	..	4,528	950	..	1,616
346	Birnagar Public Charitable	..	III	54	..	2,000	700	..	..	2,754	922	..	999
347	Noapara Bhabasundari Chari- table.	..	III	1,850	..	1,923	307	..	..	4,080	851	..	1,197
348	Gagnapur Charitable	..	III	565	44	3,391	703	2	..	4,705	1,290	..	1,356
349	Majhergram Jagatmohini Chari- table.	..	III	185	43	3,818	1,109	8	..	5,154	960	..	672
350	Shantipur Municipal Hospital	..	III	2,221	1,220	6,109	860	67	..	10,486	1,467	837	2,742
351	Chakdah Charitable	..	III	779	216	1,950	1,000	15	14	3,974	960	..	1,246



Name of dispensaries.	Expenditure.										Average cost of diet per in-patients.
	Class.	Medicines.	Diet.	Apparatus (repairs and renewals.)	New build- ing, addi- tions to ap- paratus and other Capital expenditure.	Repairs buildings.	Miscellaneous charge including investments, etc., made during the year.	Total expenditure.	Closing cash and other balances.		
2	13	14	15	16	17	18	19	20	21		
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
299 Shikrakuligram Charitable ..	III	600	..	25	..	..	19	3,850	5	..	
300 Hingalganj Charitable ..	III	586	..	..	..	..	85	3,491	2	..	
301 Jogeshganj Charitable ..	III	..	..	..	..	103	43	2,687	..	..	
302 Dholtukri Charitable ..	III	..	..	..	..	..	38	1,419	17	..	
303 Rameswarpur Charitable ..	III	700	..	..	..	..	30	2,374	..	..	
304 Sarparajpur Charitable ..	III	750	..	..	..	..	394	3,919	130	..	
305 Dhakhin-Chatra Charitable ..	III	..	..	..	..	..	152	2,369	28	..	
306 Jadurhati Charitable ..	III	980	..	..	..	..	15	3,203	66	..	
307 Dhonpota Charitable ..	III	436	..	48	..	..	49	605	..	..	
308 Pearce Charitable ..	III	400	..	..	..	..	53	2,637	16	..	
309 Haroa Charitable ..	III	650	..	..	..	..	123	3,920	189	..	
310 Sagore Charitable ..	III	..	48	..	..	..	128	2,252	58	..	
311 Tentulia Charitable ..	III	248	..	..	..	..	145	3,904	566	..	
312 Charghat Charitable ..	III	450	..	..	..	..	187	2,627	71	..	
313 Sandeshkhali Charitable ..	III	700	..	..	..	..	1,200	3,168	214	..	
314 Magrahat Charitable ..	III	1,358	..	..	..	237	15	4,766	7,826	..	
315 Ghateswar Charitable ..	III	1,500	..	..	..	..	50	4,562	360	..	
316 Saguna Charitable ..	III	1,070	..	..	..	..	18	3,226	211	..	
317 Harindanga Charitable ..	III	..	..	..	..	..	11	2,570	20	..	
318 Goda-Mathurapur Charitable ..	III	622	..	..	..	..	149	2,306	8	..	
319 Kolsur D. N. Charitable ..	III	400	..	..	..	..	149	3,807	256	..	
320 Kasba Silver Jubilee Charitable ..	III	1,638	..	..	..	360	107	4,792	..	..	

321	Gourapota Charitable	..	III	..	..	..	..	..	..	..	1,873	..	..
322	Shebhati Charitable	..	III	..	..	..	..	..	52	..	1,528	..	..
323	Chatta Mahestola Charitable	..	III	..	263	..	76	..	..	..	2,646	31	..
324	Kakadwip Charitable	..	III	..	400	..	..	..	58	..	3,020	1,300	..
325	Saidpur Charitable	..	IV	442	..	..	..	..	22	..	1,060	13	..
326	Furtabad Charitable	..	U.B.	298	..	..	..	..	21	..	619	2,184	..
327	Mulipota Charitable	..	U.B.	457	..	6	..	659	349	..	2,527	93	..
328	Bayra Charitable	..	U.B.	370	..	..	..	189	342	..	1,657	56	..
District Total		..	..	42,644	24,021	290	76	4,142	13,554	3,12,980	54,627	..	..

A—General Dispensaries—contd.

Nadia.

335	Ranaghat Subdivision Hospital	..	State Manged	..	1,886	..	..	..	2,962	20,862	..	..	7
336	Ashannagar District Board	..	IIIB	816	..	..	..	400	458	4,437	2,425	..	..
337	Nabadwip Garrett Hospital	..	IIIB	1,627	4,004	..	365	1,000	1,565	17,701	854	..	..
337A	T. N. Memorial, Kalinga	..	III	626	..	..	..	..	570	3,644	31	..	..
338	Bunpur Charitable	..	III	679	..	..	..	..	776	4,233	323	..	..
339	Bhajanghat Charitable	..	III	694	..	..	..	..	351	3,776	25	..	..
340	Majhergram Charitable	..	III	1,365	..	..	..	..	1,135	4,936	1,630	..	..
341	Debagram Charitable	..	III	568	..	..	..	..	729	4,117	..	..	..
342	Barnia Charitable	..	III	460	..	..	..	..	30	1,654	..	..	..
343	Betai Charitable	..	III	450	..	..	..	..	485	3,258	1,218	..	..
344	Tehatta Charitable	..	III	532	..	..	..	..	1,287	4,441	169	..	..
345	Narayanpur Charitable	..	III	799	..	..	..	..	765	4,030	498	..	..
346	Birnagar Public Charitable	..	III	800	..	..	..	..	..	2,721	33	..	..
347	Noapara-Bhabasundari Charitable.	..	III	651	..	..	..	..	340	3,039	1,041	..	..
348	Gagnapur Charitable	..	III	677	..	..	..	..	822	4,145	560	..	..
349	Majhergram Jagatmohini Charitable.	..	III	967	..	..	..	..	2,362	4,961	193	..	..
350	Shantipur Municipal Hospital	..	III	2,127	512	..	..	..	518	8,203	2,283	..	..
351	Chakdah Charitable	..	III	1,005	..	..	..	5	340	3,556	418	..	..

No.	Name of dispensary.	Class.	Income.					Total receipts.	Expenditure.			
			Contributions.		Fees and contributions from patients.	Fund collected by hospital Committees, charitable contributions and donations.	Miscellaneous including interest on investments, sales of securities, etc.		Salaries.			
			From Government.	From local and municipal bodies.					Meical Officers.	Nurses.	All other establishments.	
3	4	5	6	7	8	9	10	11	12			
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.			
1	2											
352	Bagula Charitable	..	4,977	42	3,255	1,001	..	..	9,275	1,088	..	1,353
353	Haringhata Charitable	..	698	125	4,688	1,128	5	..	6,644	1,320	..	2,130
354	Aramghata Charitable	..	1,305	50	3,554	560	..	..	5,469	1,290	..	1,428
355	Majdia P. B. L. Charitable	..	130	..	3,413	1,234	..	..	4,777	950	..	1,480
356	Carmichael Charitable	..	436	224	1,090	797	101	868	3,516	840	..	876
357	Sutraghar Charitable	..	..	..	..	..	..	..	..	..	..	..
358	Belgharia Charitable	..	2,516	141	200	516	..	840	4,213	840	..	540
359	Graham C. R. Union Board	..	13	221	857	1,651	..	9	2,751	1,252	..	518
360	Noapara Union Board	..	..	250	1,037	496	..	..	1,783	720	..	396
361	Dignagar Union Board	..	295	875	691	521	..	..	2,382	880	..	346
362	Bhaluka Union Board	..	2,197	692	479	599	..	8	3,975	600	..	75
363	Bamapukur Union Board	..	460	250	990	259	3	1	1,963	720	..	530
364	Nakasipara Union Board	..	..	..	..	..	..	..	..	..	..	..
365	Sarbari Union Board	..	22	85	480	105	..	..	692	255	..	72
366	Panighata Union Board	..	11	..	..	629	1,143	..	1,783	700	360	66
367	Chandughat Union Board	..	..	500	1,194	310	..	..	2,004	910	..	244
368	Palashipara Union Board	..	650	490	..	536	..	..	1,676	560	..	180
369	Murutia Union Board	..	360	200	500	180	..	..	1,240	600	..	160
370	Dharadaha Union Board	..	9	250	267	185	..	..	711	285	..	251
371	Dattapulia Union Board	..	383	436	625	218	33	..	1,695	390	..	362
372	Maturia Union Board	..	..	390	1,166	309	..	10	1,875	420	..	236



373	Gayeshpur Union Board	..	U.B.	1,639	211	200	590	..	64	2,704	598	..	288
374	Palsunda Union Board	..	U.B.	..	203	663	135	..	..	1,001	480	..	156
<hr/>													
Total		..	..	29,251	29,845	86,999	25,886	2,884	2,679	1,77,544	39,383	8,182	45,384

A—General dispensaries.

MUSSHIDABAD.

375	Lalbag State Managed Hospital	..	State managed. Do.	9,456	21,706	880	..	..	149	32,191	..	6,582	..
376	Jangipur Hospital.	..	..	..	28,134	2,200	..	269	..	30,603	..	14,701	..
377	Doulatabad Charitable	..	III	746	1,060	2,939	938	15	31	5,729	1,452	..	598
378	Beldanga Charitable	..	III	..	1,531	3,482	1,289	21	321	6,644	1,992	..	1,556
379	Amtola Charitable	..	III	..	480	3,146	219	19	..	3,864	1,200	..	883
380	Jiaganj Charitable	..	III	4	128	1,500	832	154	..	2,618	854	..	852
381	Bhagabangola Charitable	..	III	..	742	3,381	419	50	..	459	1,440	..	1,994
382	Lalgola Raj Charitable	..	III	..	..	3,605	1,100	121	..	4,826	1,100	..	1,424
383	Mandalpur Charitable	..	III	..	977	2,503	377	..	4	3,861	1,248	..	1,476
384	Sagardighi Charitable	..	III	8	863	3,166	393	27	..	4,457	1,042	..	650
385	Dhulian Charitable	..	III	2,553	165	1,625	778	167	300	5,588	1,165	..	1,132
386	Gokarna Charitable	..	III	2	480	2,946	450	20	16	3,914	1,200	..	644
387	Sigram Charitable	..	III	10	480	2,822	578	..	30	3,920	661	..	6,251
388	Talibpur Charitable	..	III	148	832	2,538	546	25	5	4,094	736	..	636
389	Domkal Thana Charitable	..	U.B.	364	500	950	68	..	12	1,894	300	..	279
390	Sadikan's Charitable	..	U.B.	30	387	1,224	138	..	160	1,939	480	..	420
391	Saheb Nagar Charitable	..	U.B.	4	250	2,598	139	..	..	2,991	820	..	13
392	Khairamari Charitable	..	U.B.	..	..	..	..	..	..	..	..	..	..
393	Jalangee Thana Charitable	..	U.B.	..	643	500	363	20	..	1,526	630	..	495
394	Chaityanapur Charitable	..	U.B.	843	..	..	6	..	..	849	..	216	54
395	Patkabari Charitable	..	U.B.	644	..	950	86	..	..	1,680	360	..	204
396	Chandpur Charitable	..	U.B.	88	152	500	50	..	..	790	300	204	..

## Expenditure.

No.	Name of dispensaries.	Class.	Medicines.		Diet.	Apparatus and (repairs and renewals.)		New building, additions to apparatus and other Capital expenditure.		Repairs buildings.		Miscellaneous charge including investments, etc., made during the year.		Total expenditure.		Closing cash and other balances.		Average cost of diet per in-patients.	
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1	2		13	14	15	16	17	18	19	20	21								
352	Bagula Charitable	III	789	..	..	..	..	..	66	..	..	..	..	3,296	..	5,979	..	..	..
353	Haringhata Charitable	III	1,080	..	..	..	..	..	1,228	..	..	..	..	5,758	..	886	..	..	..
354	Aranghata Charitable	III	800	..	..	..	..	..	646	..	..	..	..	4,164	..	1,305	..	..	..
355	Majdia P. B. L. Charitable	III	872	..	..	..	..	..	1,345	..	..	..	..	4,647	..	130	..	..	..
356	Carmichael Charitable	IV	585	..	..	..	..	..	1,170	..	..	..	..	3,471	..	45	..	..	..
357	Sutraghar Charitable	IV	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
358	Belgharia Charitable	IV	880	..	..	..	..	..	64	..	..	..	..	2,324	..	1,889	..	..	..
359	Graham C. R. Union Board	U.B.	690	..	..	..	..	..	77	4	..	..	..	2,541	..	210	..	..	..
360	Noapara Union Board	U.B.	614	..	..	..	..	..	53	..	..	..	..	1,783	..	..	..	..	..
361	Dignagar Union Board	U.B.	947	..	..	..	..	..	84	25	..	..	..	2,282	..	100	..	..	..
362	Bhaluka Union Board	U.B.	1,357	..	..	44	..	..	81	9	..	..	..	2,166	..	1,809	..	..	..
363	Bamapukur Union Board	U.B.	301	..	..	..	253	..	90	7	..	..	..	1,901	..	62	..	..	..
364	Nakasipara Union Board	U.B.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
365	Sarbari Union Board	U.B.	298	..	..	..	..	..	35	..	..	..	..	660	..	32	..	..	..
366	Panighata Union Board	U.B.	622	..	..	..	..	..	35	..	..	..	..	1,783	..	..	..	..	..
367	Chandughat Union Board	U.B.	750	..	..	..	..	..	50	50	..	..	..	2,004	..	..	..	..	..
368	Pabashipara Union Board	U.B.	833	..	..	..	..	..	26	..	..	..	..	1,599	..	77	..	..	..
369	Murulia Union Board	U.B.	292	..	..	..	..	..	52	..	..	..	..	1,104	..	136	..	..	..
370	Dharadaha Union Board	U.B.	..	..	..	..	..	..	..	..	..	..	..	536	..	175	..	..	..
371	Dattapulia Union Board	U.B.	193	..	..	..	..	..	558	..	..	..	..	1,503	..	192	..	..	..
372	Mataria Union Board	U.B.	652	..	..	..	..	..	567	..	..	..	..	1,875	..	..	..	..	..

373	Gayeshpur Union Board	..	U.B.	484	..	..	..	..	183	1,553	1,151	...
374	Palsunda Union Board	..	U.B.	306	..	3	..	..	56	1,001	..	..
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	Total	..	..	28,188	6,402	47	618	1,500	21,961	1,51,665	25,879	..
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A.—General Dispensaries.

MURSHIDABAD.

375	Lalbagh State Managed Hospital	State managed.	..	..	3,563	..	..	..	11,561	21,706	10,485	1
376	Jangipur State Managed Hospital	Do.	..	..	3,436	..	..	..	9,331	27,468	3,135	1
377	Doulatabad Charitable	III	..	243	..	..	..	..	2,659	4,952	777	..
378	Beldanga Charitable	III	..	1,311	..	..	..	..	1,785	6,644	..	..
379	Amtola Charitable	III	..	243	..	..	..	..	1,538	3,864	..	..
380	Jiaganj Charitable	III	..	780	..	..	..	..	130	2,616	2	..
381	Bhagabangola Charitable	III	..	651	..	..	..	..	506	4,591	..	..
382	Lalgola Raj Charitable	III	..	1,000	..	..	..	..	81	3,605	1,221	..
383	Mandalpur Charitable	III	..	617	..	..	..	..	520	3,861	..	..
384	Sagardighi Charitable	III	..	694	..	..	..	..	2,068	4,454	3	..
385	Dhulkan Charitable	III	..	1,182	..	..	..	668	141	4,288	1,300	..
386	Gokarna Charitable	III	..	243	..	..	..	..	1,789	3,876	38	..
387	Sigram Charitable	III	..	243	..	..	..	..	2,381	3,910	10	..
388	Talibpur Charitable	III	..	595	..	..	..	..	2,127	4094	..	..
389	Domkal Thana Charitable	U.B.	..	..	..	..	..	6	39	624	1,270	..
390	Sadikhan' Charitable	U.B.	..	451	..	..	..	12	176	1,539	400	..
391	Sahebnagar Charitable	U.B.	..	524	..	..	..	448	491	2,296	695	..
392	Khairamari Charitable	U.B.	..	..	..	..	..	..	..	..	..	..
393	Jalangee Thana Charitable	U.B.	..	169	..	..	..	187	45	1,526	..	..
394	Chaityanapur Charitable	U.B.	..	10	..	..	..	..	..	280	569	..
395	Patkabari Charitable	U.B.	..	330	..	..	..	..	36	930	750	..
396	Chandpur Charitable	U.B.	..	152	..	..	..	..	48	704	86	..



No.	Name of dispensary.	Class.	Income.						Expenditure.			
			Opening cash and other balance.	Contributions.		Fees and contributions from patients.	Fund collected by hospital Committees, charities, contributions and donations.	Miscellaneous including interest on investments, sales of securities, etc.	Total receipts.	Salaries.		
				From Government.	From local and municipal bodies.					Medical Officers.	Nurses.	All other establishment.
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1	2		3	4	5	6	7	8	9	10	11	12
397	Panchgram Charitable	..	32	380	750	31	..	1016	2,209	500	..	142
398	Baghirpara Charitable	..	..	250	1,350	67	..	..	1,667	600	120	60
399	Shibpur Charitable	..	179	361	822	177	..	22	1,561	696	..	360
400	Manik Chak Charitable	..	14	414	700	373	..	..	1,501	700	..	294
401	Rajarampur Charitable	..	596	390	600	195	..	..	1,781	495	..	246
402	Mirzapur Charitable	..	8	459	1,419	138	..	..	2,024	959	..	120
403	Duffarpur Charitable	..	69	495	735	148	..	62	1,509	440	..	350
404	Teghari Charitable	..	2,080	250	1,250	34	..	..	3,614	540	..	264
405	Dayarampur Charitable	..	..	1,100	370	272	..	..	1,742	720	..	480
406	Moregram Charitable	..	42	405	1,053	262	..	13	1,775	610	..	350
407	Monigram Charitable	..	15	657	1,300	102	..	..	2,074	280	..	294
408	Suti Thana Charitable	..	244	48	50	23	2	202	569	320	..	142
409	Imamnagar Charitable	..	1	250	550	133	..	..	934	480	..	252
410	Bewa Charitable	..	303	400	970	100	..	..	1,773	660	120	54
411	Nimtita Charitable	..	25	309	650	84	..	..	1,068	560	..	338
412	Purandarpur Charitable	..	12	615	1,011	146	..	..	1,784	360	..	396
413	Bahara Charitable	..	893	250	1,265	462	..	..	2,870	480	..	324
414	Indrani Sadal Charitable	..	23	408	300	255	..	..	986	360	..	198
415	Eroali Charitable	..	614	250	500	131	..	..	1,495	360	180	24
416	Barawan Charitable	..	188	704	1,050	316	..	8	2,266	780	..	457
417	Karunnarun Charitable	..	..	238	248	42	..	..	528	180	20	90

418	Kalyanpur Sabolda Charitable	U.B.	..	354	500	77	..	..	931	425	..	252
419	Kuli Charitable	U.B.	11	..	321	76	..	..	408	115	..	110
420	Tenya Charitable	U.B.	37	500	625	87	..	..	1,249	180	..	156
421	Bardhanpur Charitable	U.B.	5	401	550	174	..	9	1,139	420	156	31
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	Total	..	20,291	69,398	62,394	12,673	910	2,361	1,68,027	29,200	22,299	19,719
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A—General dispensaries.

WEST DINAJPUR.

422	Balurghat Sadar State-managed Hospital.	S.M.	..	25,580	..	..	1,000	151	26,731	3,360	4,896	9,604
423	Patiram Charitable	III	1,122	..	3,000	367	91	..	4,580	1,560	..	1,440
424	Mallikpur Charitable	III	129	250	1,895	623	..	..	2,897	1,075	675	588
425	Hili Charitable	III	1,589	..	1,385	227	59	37	3,297	731	..	539
426	Teov Charitable	III	855	65	3,130	685	102	3	4,840	1,131	489	550
427	Gangarampur Charitable	III	502	338	3,614	609	25	..	5,088	1,200	..	1,309
428	Tapan Charitable	III	1,479	..	3,364	705	82	..	5,630	1,500	..	1,428
429	Kaliaganj Charitable	III	180	500	2,173	705	..	21	3,579	1,423	..	1,382
430	Kushmandi Charitable	III	45	..	3,073	426	..	7	3,551	1,200	..	1,284
431	Hemtabad Charitable	III	34	168	2,633	373	..	..	3,208	940	..	1,280
432	Khaspur Charitable	IV	170	199	..	52	..	..	421	..	..	..
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	Total	..	6,105	27,100	24,267	4,772	1,359	219	63,822	14,120	6,060	19,404
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A—General Dispensaries.

JALPAIGURI.

433	Sadar Hospital	S.M.	..	1,72,681	5,000	13,636	6,340	423	1,98,080	19,476	32,645	11,777
433	Alipurduar Subdivisional Hospital,	S.M.	..	28,680	1,500	..	203	26	30,409	3,565	5,850	7,631

## Expenditure.

No.	Name of dispensaries.	Medicines.	Diet.	Apparatus (repairs and renewals.)	New build- ing, addi- tions to ap- paratus and other Capital expenditure.	Repairs buildings.	Miscellaneous charge including investments, etc., made during the year.	Total expenditure.	Closing cash and other balances.	Average cost of diet per in-patients.
		Rs.	R.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1	2	13	14	15	16	17	18	19	20	21
397	Panchgram Charitable	687	..	..	..	38	834	2,201	8	..
398	Baghirpara Charitable	561	..	..	..	300	26	1,667	..	..
399	Shibpur Charitable	381	..	..	..	..	57	1,494	67	..
400	Manikchak Charitable	454	..	..	..	..	43	1,491	10	..
401	Rajarampur Charitable	321	..	..	..	25	15	1,102	679	..
402	Mirzapur Charitable	673	..	..	..	19	198	1,969	55	..
403	Duffarpur Charitable	563	..	..	..	105	27	1,485	24	..
404	Teghari Charitable	512	..	..	..	..	8	1,324	2,290	..
405	Dayarampur Charitable	519	..	..	..	..	23	1,742	..	..
406	Moregram Charitable	667	..	..	..	..	49	1,676	99	..
407	Monigram Charitable	852	..	..	..	..	97	1,523	551	..
408	Suti Thana Charitable	52	..	..	20	2	17	553	16	..
409	Imamnagar Charitable	..	..	..	..	87	103	922	12	..
410	Bewa Charitable	550	..	..	..	..	42	1,426	347	..
411	Nimta Charitable	56	..	..	40	..	40	1,034	34	..
412	Purandarpur Charitable	460	..	..	..	125	408	1,749	35	..
413	Bahara Charitable	775	..	..	..	200	81	1,860	1,010	..
414	Indrani Sadal Charitable	142	..	..	..	9	227	936	50	..
415	Eroali Charitable	67	..	..	..	21	35	687	808	..
416	Barawan Charitable	652	..	..	..	36	131	2,056	210	..
417	Karunnarun Charitable	238	..	..	..	..	..	528	..	..



418	Kalyanpur Sabolda, Charitable	U.B.	193	..	..	..	12	16	898	33	..
419	Kuli Charitable	U.B.	159	..	..	..	..	16	400	8	..
420	Tenya Charitable	U.B.	15	..	..	..	315	24	690	559	..
421	Bardhanpur Charitable	U.B.	445-	..	..	50	..	10	1,112	27	..
Total		..	19,432	6,999	..	110	2,615	39,979	1,40,353	27,674	..

A.—General Dispensaries.

WEST DINAJPUR.

422	Bahurghat Sadar State managed Hospital.	S.M.	..	5,449	..	..	..	2,271	25,580	1,151	..
423	Patiram Charitable	III	..	..	..	..	..	..	3,000	1,580	..
424	Mallikpur Charitable	III	398	..	..	..	..	33	2,769	128	..
425	Hili Charitable	III	260	..	..	..	..	172	1,702	1,595	..
426	Teov Charitable	III	942	608	..	..	..	112	3,832	1,008	..
427	Gangarampur Charitable	III	921	..	..	..	450	72	3,952	1,136	..
428	Tapan Charitable	III	800	..	..	..	200	100	4,028	1,602	..
429	Kaliaganj Charitable	III	490	..	..	..	38	43	3,376	203	..
430	Kushmandi Charitable	III	471	..	..	..	446	70	3,471	80	..
431	Hemtabad Charitable	III	525	..	..	..	..	435	3,180	28	..
432	Khaspur Charitable	IV	387	..	..	..	..	28	415	6	..
Total		..	5,194	6,057	..	..	1,134	3,336	55,305	8,517	..

A.—General Dispensaries.

JALPAIGURI.

433	Sadar Hospital	S.M.	527	54,061	..	..	..	54,395	1,72,881	25,199	2-11-9
433	Alipurduar Subdivisional Hospital.	S.M.	1,501	8,540	..	..	500	1,093	28,680	1,729	0-14-8

No.	Name of dispensary.	Class.	Income.						Expenditure.			
			Opening cash and other balance.	Contributions.		Fees and contributions from patients.	Fund collected by hospital Committees, contributions and donations.	Miscellaneous including interest on investments, sales of securities, etc.	Total receipts.	Salaries.		
				From Government.	From local and municipal bodies.					Meical Officers.	Nurses.	All other establishment.
1	2		3	4	5	6	7	8	9	10	11	12
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
434	Chengmari Charitable	..	568	640	550	862	317	12	2,949	1,224	..	110
435	Mal Public Charitable	..	..	500	4,258	833	..	..	5,591	2,100	..	2,239
436	Rajganj Charitable	..	..	598	4,659	966	..	..	6,223	2,100	..	2,057
437	Matillihat Charitable	..	..	517	5,676	661	128	80	7,062	2,021	..	1,477
438	Dhupguri Charitable	..	27,501	677	6,401	997	37	..	35,613	1,764	..	1,410
439	Samuktola Charitable	..	..	559	4,535	803	..	..	5,897	2,280	..	1,833
440	Bhatibari Charitable	..	..	430	3,742	338	..	..	4,510	2,078	..	552
441	Madarihat Charitable	..	..	418	4,170	653	600	..	5,841	2,340	..	1,500
442	Nagrakata Charitable	..	..	500	2,661	85	100	..	3,346	1,844	..	533
443	Ranghamali Graham Charitable	U.B.	604	493	830	98	..	..	2,025	944	..	224
444	Ramshair Charitable	..	3,106	1,082	620	291	800	66	5,965	720	..	820
445	Dharampur Charitable	..	1	653	354	9	..	..	1,017	425	..	120
446	Huchuldanga Charitable	..	27	655	805	20	..	..	1,507	350	..	120
447	Padmahati Charitable	..	2	699	498	..	..	..	1,199	544	..	150
448	Shikarpur Charitable	..	1,970	419	965	1,254	..	..	4,608	840	..	466
449	Gadra Charitable	..	324	223	977	52	..	..	1,576	500	200	..
450	Dawkimari Charitable	..	646	557	2,100	76	..	..	3,379	720	..	20
451	Jalpesh Charitable	..	..	524	180	230	1,832	..	2,766	840	..	564
452	Silbari Charitable	..	526	900	..	60	..	11	1,497	1,100	..	132

453	Kumargram Charitable	..	IV	672	1,166	1,030	247	1,111	756	4,982	1,259	..	1,352
454	Fulkota Charitable	..	IV	1,588	2,654	820	389	268	32	5,751	1,671	..	1,260
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Total		..		37,535	2,16,225	52,331	22,560	11,736	1,406	3,41,793	50,745	38,695	36,347

A—General Dispensaries.

MALDA.

455	Sadar Hospital	..	S.M.	1,628	70,249	..	613	62	1,262	73,814	8,957	14,631	18,423
456	Harishehandrapur Charitable		III	1,084	57	3,649	84	..	15	4,889	1,360	..	1,184
457	Alho Charitable	..	III	2,128	171	3,010	64	78	..	5,451	1,056	..	1,252
458	Singbad Charitable	..	III	..	..	1,528	..	..	..	1,528	985	..	416
459	Gazole Charitable	..	III	5,522	346	5,418	242	43	82	11,653	1,464	..	1,224
460	Ratua Charitable	..	III	1,697	786	2,956	151	81	24	5,695	1,539	..	1,298
461	Bamagola Charitable	..	III	677	171	3,417	94	64	10	4,433	1,104	..	1,296
462	Old Malda Charitable	..	III	118	650	1,495	273	1,281	25	3,842	1,052	..	1,642
463	Kaliachak Charitable	..	IV	2,040	274	4,639	272	52	51	7,328	1,539	..	1,408
464	Pandua Charitable	..	IV	1,136	..	300	57	950	21	2,464	645	..	135
465	Kheshpur Charitable	..	U.B.	48	430	1,100	30	..	25	1,633	790	..	203
466	Gourhanda Charitable	..	U.B.	45	71	1,432	93	..	..	1,641	660	..	108
467	Bhingole Charitable	..	U.B.	24	841	1,927	17	..	..	2,809	720	..	264
468	Baisnabnagar Charitable	..	U.B.	1,099	303	1,220	1,091	..	20	3,733	880	..	450
469	Gopalganj Charitable	..	U.B.	84	128	945	300	..	..	1,457	720	..	240
470	Panchanandapur Charitable	..	U.B.	425	278	3,200	406	..	..	4,309	1,520	540	..
471	Milki U. B. Charitable	..	U.B.	46	552	1,008	212	..	..	1,818	450	256	72
472	Bhaluka Charitable	..	Village	3,192	542	1,187	234	11	45	5,211	1,029	..	408
473	Araidang Charitable	..	Village	1,824	435	2,597	249	..	10	5,115	902	..	1,182
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Total		..		22,817	76,284	41,028	4,482	2,622	1,590	1,48,823	27,372	15,427	31,205



## Expenditure.

No.	Name of dispensaries.	Class.	Medicines.	Diet.	Apparatus (repairs and renewals.)	New build- ing, addi- tions to ap- paratus and other Capital expenditure.	Repairs buildings.	Miscellaneous charge including investments, etc., made during the year.	Total expenditure.	Closing cash and other balances.	Average cost of diet per in-patients.
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1	2		13	14	15	16	17	18	19	20	21
434	Chengmari Charitable	III	1,054	..	..	..	..	471	2,859	90	..
435	Mal Public Charitable	III	1,113	..	..	..	..	139	5,591	..	..
436	Rajganj Charitable	III	1,697	..	..	..	194	175	6,223	..	..
437	Matillihat Charitable	III	1,948	..	..	765	629	222	7,062	..	..
438	Dhupguri Charitable	III	2,367	..	..	..	..	..	5,541	30,072	..
439	Samuktola Charitable	III	1,416	..	..	..	180	188	5,897	..	..
440	Bhatibari Charitable	III	1,238	..	..	..	495	147	4,510	..	..
441	Madarihat Charitable	III	1,527	..	..	..	199	275	5,841	..	..
442	Nagrakata Charitable	III	461	..	..	..	..	468	3,346	..	..
443	Ranghamali Graham Charitable	U.B.	193	..	..	..	50	62	1,473	552	..
444	Ramshai Charitable	U.B.	2,358	..	63	..	9	138	4,108	1,857	..
445	Dharampur Charitable	U.B.	453	..	..	..	..	14	1,012	5	..
446	Huchuldanga Charitable	U.B.	677	..	..	..	..	83	1,230	277	..
447	Padmahati Charitable	U.B.	449	..	..	..	46	8	1,197	2	..
448	Shikerpur Charitable	U.B.	1,086	..	..	..	185	102	2,679	1,929	..
449	Gadra Charitable	U.B.	223	..	..	..	35	16	974	602	..
450	Dawkimari Charitable	U.B.	432	..	..	267	..	82	1,521	1,858	..
451	Jalpesh Charitable	IV	1,362	..	..	..	..	..	2,766	..	..
452	Silbari Charitable	IV	131	..	..	..	..	65	1,428	69	..

A.—General Dispensaries.												
MALDA.												
453	Kumargram Charitable	..	IV	625	..	..	113	1,137	4,486	496	..	..
454	Fulkota Charitable	..	IV	1,465	..	..	418	197	5,011	740	..	..
Total												
		..		24,303	62,601	63	1,032	59,477	2,76,316	65,477	..	..
455	Sadar Hospital	..	I	134	19,500	..	..	8,604	70,249	3,565	0-14-10	..
456	Parishchandrapur Charitable	..	III	237	..	..	..	134	3,834	1,055	..	..
457	Aiho Charitable	..	III	361	..	..	..	175	3,010	2,441	..	..
458	Singbad Charitable	..	III	127	..	..	..	..	1,528	..	..	..
459	Gazole Charitable	..	III	1,291	..	..	..	207	5,947	5,706	..	..
460	Ratua Charitable	..	III	1,016	..	..	..	141	3,994	1,701	..	..
461	Bamagola Charitable	..	III	1,126	..	..	..	216	3,742	691	..	..
462	Old Malda Charitable	..	III	690	..	11	..	106	3,501	341	..	..
463	Kaliachak Charitable	..	IV	797	..	..	..	382	5,283	2,045	..	..
464	Pandua Charitable	..	IV	180	..	..	..	31	991	1,473	..	..
465	Kheshpur Charitable	..	U.B.	405	..	..	..	89	1,606	27	..	..
466	Gourhanda Charitable	..	U.B.	658	..	..	..	39	1,593	48	..	..
467	Bhimgole Charitable	..	U.B.	1,042	..	..	..	693	2,795	14	..	..
468	Baisnabnagar Charitable	..	U.B.	1,962	..	..	..	53	3,680	53	..	..
469	Gopalganj Charitable	..	U.B.	240	..	..	..	168	1,368	89	..	..
470	Panchanondpur Charitable	..	U.B.	1,360	..	..	..	115	3,535	774	..	..
471	Milki U. B. Charitable	..	U.B.	808	..	..	..	184	1,786	32	..	..
472	Bhaluka Charitable	..	Village	282	..	..	..	34	1,753	3,458	..	..
473	Araidang Charitable	..	Village	951	..	..	..	64	3,099	2,016	..	..
Total												
		..		13,668	19,500	11	..	11,426	1,23,294	25,529	..	..

No.	Name of dispensary.	Class.	Income.					Expenditure.				
			Opening cash and other balance.	Contributions.		Fees and contributions from patients.	Fund collected by hospital Committees, charities, contributions and donations.	Miscellaneous including interest on investments, sales of securities, etc.	Total receipts.	Salaries.		
				From Government.	From local and municipal bodies.					Medical Officers.	Nurses.	All other establishment.
1	2		3	4	5	6	7	8	9	10	11	12
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
A—General Dispensaries.												
DARJEELING.												
474	Victoria Hospital	..	S.M.	1,29,721	22,854	19,110	580	5,837	1,78,102	14,946	24,984	33,358
475	Kurseong Hospital	..	S.M.	51,306	4,800	82	820	228	57,236	2,600	12,205	12,859
476	Itinerant	..	I	1,997	..	..	..	..	1,997	1,400	..	552
477	Pedong Hospital	..	I	13,383	..	89	..	..	13,472	3,633	564	5,640
478	Clark T. B. Hospital	..	III	1,776	53,085	..	..	..	54,861	7,918	13,431	5,044
479	Martin Charitable	..	III	..	4,458	..	..	..	4,458	1,660	..	798
480	Charteris Hospital	..	IV	21,308	3,260	34,526	14,467	62,430	1,35,991	15,535	32,793	15,171
Total			..	2,19,491	88,457	53,807	15,867	68,495	4,46,117	47,692	83,977	7,34,422

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*A.—General Dispensaries.*

**GOOCH BEHAR.**

481	J. D. Hospital	..	..	49,688	..	..	..	..	49,688	7,681	10,073	4,766
482	Dewanhat Charitable	..	..	5,024	..	..	..	..	5,024	2,323	..	2,190
483	Pandibari Charitable	..	..	3,641	..	..	..	..	3,641	1,680	..	1,921



484	Baneswar Charitable	..	I	..	4,116	..	..	..	4,116	1,920	..	2,196
485	Saheberhat Charitable	..	I	..	3,879	..	..	..	3,879	1,548	735	..
486	Dinhata Hospital	..	I	..	9,090	..	55	..	9,145	4,060	..	3,839
487	Okrabari Charitable	..	I	..	3,236	..	..	4	3,240	1,628	..	1,594
488	Nazirhat Charitable	..	I	..	3,816	..	..	..	3,816	1,761	..	1,983
489	Kismat Dasgram Charitable	..	I	..	3,382	..	..	..	3,382	2,352	..	1,030
490	Sitai Charitable	..	I	..	4,236	..	..	..	4,236	1,788	..	1,812
491	Mathabhanga Hospital	..	I	20	8,863	..	..	39	8,922	4,240	..	4,041
492	Nishiganj Charitable	..	I	..	214	..	..	..	214	120	..	94
493	Ghoksadanga Charitable	..	I	..	3,659	..	..	..	3,659	1,764	815	1,080
494	Rathardanga Charitable	..	I	..	3,679	..	..	..	3,679	1,704	..	1,956
495	Jatamari Charitable	..	I	19	3,838	..	..	3	3,860	1,704	..	2,071
496	Ksheti Charitable	..	I	..	4,245	..	..	..	4,245	1,704	..	2,170
497	Fulbari Charitable	..	I	1	1,445	..	..	3	1,449	..	..	1,428
498	Sitalkhuchi Charitable	..	I	..	4,248	..	..	..	4,248	1,993	1,102	1,080
499	Baramaricha Charitable	..	I	..	2,516	..	..	..	2,516	1,184	..	1,332
500	Mekliganj Hospital	..		..	8,274	..	..	..	8,274	3,682	..	2,780
501	Jamaldah Charitable	..	I	..	3,976	..	..	..	3,976	1,920	..	2,010
502	Haldibari Hospital	..	I	..	5,456	..	..	..	5,456	2,626	..	2,726
503	Tufanganj Hospital	..	I	14	8,140	52	..	..	8,206	3,636	..	3,330
504	Natabari Charitable	..	I	..	3,428	..	..	..	3,428	1,789	..	1,592
505	Balarampur Charitable	..	I	..	3,277	..	..	..	3,277	1,599	..	1,612
506	Balabhut Charitable	..	I	..	4,236	..	..	..	4,236	1,847	..	1,644

Total	..	54	1,59,602	52	..	55	49	1,59,812	58,253	12,725	52,277
Mufassil Total	..	4,40,618	18,31,070	9,46,451	2,17,966	81,067	1,22,516	36,39,688	6,45,308	3,81,383	7,41,909
State Total	..	8,78,427	85,90,159	11,93,230	20,58,168	37,9,339	6,45,310	13,74,4633	14,73,892	12,73,056	22,76,105

No.	Name of dispensaries.	Class.	Expenditure.								Average cost of diet per in-patients.
			Medicines.	Diet.	Apparatus (repairs and renewals.)	New building, additions to apparatus and other Capital expenditure.	Repairs buildings.	Miscellaneous charge including investments, etc., made during the year.	Total expenditure.	Closing cash and other balances.	
1	2		13	14	15	16	17	18	19	20	21
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
474	Victoria Hospital	I	44,666	37,940	..	..	..	22,208	1,78,102	..	..
475	Kurseong Hospital	I	1,000	17,841	..	..	325	4,476	51,306	5,930	1-6-0
476	Itinerant	I	..	..	..	..	..	45	1,997	..	..
477	Pedong Hospital	I	..	2,911	..	..	..	724	13,472	..	..
478	Clark J. B. Hospital	III	2,752	7,968	..	..	15,000	2,748	54,861	..	..
479	Martin Charitable	III	1,000	..	..	..	500	500	4,458	..	..
480	Charteris Hospital	IV	16,397	33,062	6,653	..	4,377	12,003	1,35,991	..	..
	Total	..	65,815	99,722	6,653	..	20,202	42,704	4,40,187	5,930	..

A.—General Dispensaries.

COOCH BEHAR.

481	J. D. Hospital	..	..	19,149	..	..	..	8,019	49,688	..	..
482	Dewanhat Charitable	..	511	..	..	..	..	..	5,024	..	..
483	Pandibari Charitable	..	..	..	..	..	..	40	3,641	..	..





## STATEMENT G.

## Account of invested capital of Hospital and Dispensaries in the State of West Bengal during the year 1952.

Serial No.	Name of districts.			Class.	Balance on 1st January, 1952.	Invested during the year.	Total.	Securities sold.	Deposits with-drawn.	Balance on 31st December, 1952.
1	2			3	4	5	6		8	9
					Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1	Burdwan	..	..	..	..	..	..	..	..	..
2	Birbhum	..	..	..	71,833	57	71,890	..	..	71,890
3	Bankura	..	..	..	7,962	611	8,573	..	949	7,624
4	Midnapore	..	..	..	..	..	..	..	..	..
5	Hooghly	..	..	..	..	..	..	..	..	..
6	Howrah	..	..	..	2,07,300	1,141	2,08,441	..	1,020	2,07,421
7	24-Parganas	..	..	..	92,932	21	92,953	..	150	92,803
8	Nadia	..	..	..	43,852	..	43,852	..	..	43,852
9	Murshidabad	..	..	..	7,297	..	7,297	..	..	7,297
10	West Dinajpur	..	..	..	1,345	340	1,685	..	25	1,660
11	Jalpaiguri	..	..	..	..	..	..	..	..	..
12	Darjeeling	..	..	..	..	..	..	..	..	..
13	Malda	..	..	..	1,528	..	1,528	..	..	1,528
14	Cooch Behar		..	..	..	..	..	..	..	..
15	Calcutta	..	..	..	32,80,036	81,524	33,61,560	24,773	2,30,268	31,06,519
Total		..	..	..	37,14,085	83,694	37,97,779	24,773	2,32,412	35,40,594

## CALCUTTA.

## A.—General Dispensaries.

1	N. R. Sarkar Medical College Hospital.	I	20,500	..	20,500	..	..	20,500
2	R. G. Kar Medical College Hospital.	IV	21,84,001	76,540	22,60,541	24,773	2,29,768	20,06,000
3	Mayo Hospital .. ..	IV	7,08,800	..	7,08,800	..	..	7,08,800
4	Premananda Leper Dispensary	IV	16,100	..	16,100	..	..	16,100

## B.—Female Dispensaries.

5	Lady Dufferin Victoria Hospital.	S. M.	25,400	..	25,400	..	..	25,400
6	Chittaranjan Seva Sadan ..	IV	71,900	..	71,900	..	..	71,900
	R. K. Mission Sisumangal Prasthnan.	IV	2,53,335	4,984	2,58,319	..	500	2,57,819

Total	..	..	32,80,036	81,524	33,61,560	24,773	2,30,268	31,06,519
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Serial No.	Name of districts.	Class.	Balance on 1st January, 1952.	Invested during the year.	Total.	Securities sold.	Deposits with-drawn.	Balance on 31st December, 1952.
1	2	3	4	5	6	7	8	9

## BIRBHUM.

*A—General Dispensaries.*

			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
8	Hinglow .. ..	U. B.	1,160	43	1,203	..	..	1,203
9	Suri Sadar .. ..	I	44,700	..	44,700	..	..	44,700
10	Hasan Pruna Ch. Charitable	III	5,330	..	5,330	..	..	5,330
11	Nalhati Foster Charitable ..	III	638	14	652	..	..	652
12	Sonarkundu Charitable .. ..	..	5	..	5	..	..	5
13	Chella .. ..	III	20,000	..	20,000	..	..	20,000
Total .. ..			71,833	57	71,890	..	..	71,890

## BANKURA.

*A—General Dispensaries.*

14	Gangajalghati .. ..	III	302	87	389	..	..	389
15	Simlapal Charitable .. ..	III	1,533	265	1,798	..	297	1,501
16	Ratanpur Charitable .. ..	III	94	74	168	..	67	101
17	Tajpur Charitable .. ..	III	4,373	74	4,447	..	..	4,447
18	Pakhana Charitable .. ..	VII	1,660	111	1,771	..	585	1,186
Total .. ..			7,962	611	8,573	..	949	7,624

## HOWRAH.

*A—General Dispensaries.*

19	Bally Beams Charitable ..	IIIB	23,228	..	23,228	..	..	23,228
20	Rajganj Charitable .. ..	III	25,000	..	25,000	..	..	25,000
21	Baltikari K. N. Charitable ..	III	43,000	..	43,000	..	..	43,000
22	Mohiary K. P. Ray Charitable	III	17,000	..	17,000	..	..	17,000
23	Garbelia Chandrakanta Charitable.	III	37,000	..	37,000	..	..	37,000
24	Deulpur Charitable .. ..	III	20,000	..	20,000	..	..	20,000
25	Shyampur Charitable .. ..	III	115	59	174	..	..	174
26	Amta Charitable .. ..	III	8,500	..	8,500	..	..	8,500
27	Barda Charitable .. ..	III	26,000	..	26,000	..	..	26,000
28	Nabagram Charitable .. ..	IV	7,000	..	7,000	..	..	7,000
29	Panpur Tarini Charan Charitable.	IV	457	1,082	1,539	..	1,020	519
Total .. ..			2,07,300	1,141	2,08,441	..	1,020	2,07,421

Serial No.	Name of districts.	Class.	Balance on 1st January, 1952.	Invested during the year.	Total.	Securities sold.	Deposits with-drawn.	Balance on 31st December, 1952.
1	2	3	4	5	6	7	8	9
24-PARGANAS.								
<i>A—General Dispensaries.</i>								
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
30	Magrahat Charitable	.. III	7,826	..	7,826	..	..	7,826
31	Joynagar Charitable	.. III	25,700	..	25,700	..	..	25,700
32	Saidpur Charitable	.. IV	9,602	..	9,602	..	..	9,602
33	Furatabad Charitable	.. U. B.	2,184	..	2,184	..	..	2,184
34	Panchgachia Charitable	.. III	5,150	..	5,150	..	150	5,000
35	Bhabla Charitable	.. III	19,000	..	19,000	..	..	19,000
36	Davaishabad Charitable	.. III	15,600	..	15,600	..	..	15,600
37	Kharda Charitable	.. III	2,231	..	2,231	..	..	2,231
38	Chouberia Charitable	.. III	5,300	..	5,300	..	..	5,300
39	Ghateswar Charitable	.. III	339	21	360	..	..	360
Total		.. ..	92,932	21	92,953	..	150	92,803
NADIA.								
<i>A—General Dispensaries.</i>								
40	Mayapur Bamapukur	.. III	51	..	51	..	..	51
41	Nabadwip Garrett Hospital	.. III	12,500	..	12,500	..	..	12,500
42	Ranaghat State managed Hospital.	I	2,317	..	2,317	..	..	2,317
43	Belghoria Charitable	.. IV	28,000	..	28,000	..	..	28,000
44	Marutia U. B.	.. U. B.	87	..	87	..	..	87
45	Bagulia Charitable	.. III	897	..	897	..	..	897
Total		.. ..	43,852	..	43,852	..	..	43,852
MURSHIDABAD.								
<i>A—General Dispensaries.</i>								
1	Lalbagh State managed	.. S. M.	5,697	..	5,697	..	..	5,697
2	Jangipur State managed	.. S. M.	1,600	..	1,600	..	..	1,600
Total		.. ..	7,297	..	7,297	..	..	7,297
WEST DINAJPUR.								
<i>A—General Dispensaries.</i>								
1	Mallikpur Charitable	.. III	765	..	765	..	..	765
2	Teor Charitable	.. III	580	340	920	..	25	895
Total		.. ..	1,345	340	1,685	..	25	1,660
MALDA.								
<i>A—General Dispensaries.</i>								
	Malda Sadar Hospital	.. I	1,528	..	1,528	..	..	1,528



STATEMENT H.

Showing the number of in-door and out-door Patients, according to class and sex, treated in the State-public, Local Fund, Private-aided and Subsided Dispensaries in West Bengal during the year 1952.

District.	Name and class of dispensary.	European and Eurasians.				Hindus.				Muhammadans.				Others.				Total. treated.
		Adults.		Children.	Adults.		Children.	Adults.		Children.	Adults.		Children.	Adults.		Children.		
		Male.	Female.		Male.	Female.		Male.	Female.		Male.	Female.		Male.	Female.			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15				
	Mufassil	..	45	40	21	8,24,514	4,93,897	4,89,750	3,03,059	1,78,590	2,01,764	16,754	9,161	8,155	25,25,750			
	Calcutta	..	3,128	3,491	1,855	4,29,181	3,78,361	1,79,229	1,73,250	94,162	64,897	14,217	11,693	7,216	13,60,680			
	Grand Total	..	3,173	3,531	1,876	12,53,695	8,72,258	6,68,979	4,76,309	2,72,752	2,66,661	30,971	20,854	15,371	38,86,430			

## APPENDIX IIIa.

## STATEMENT 1.

**A general statement regarding patients treated at this Institute and centres from start of this Institute.**

	Year.				Total treated (completely and incompletely treated cases).	Total death.	Total death rate percentage.	Advice cases.
Up to 1951	..	..	..	..	1,53,682	726	·47	37,083
1952	..	..	..	..	4,618	..	..	1,720
Total					1,58,300	726	·46	38,803

## STATEMENT 2.

**A General classification of patients attending the Institute and its centres for the year 1952.**

					Class—I.	Class—II.	Class—III.	Total.
Number fully treated	..	..	..	..	132	2,623	616	3,371
Percentage to total	..	..	..	..	3·92	77·81	18·27	100·
Total deaths	..	..	..	..	..	..	..	..
Total deaths rate percentage	..	..	..	..	..	..	..	·46
Percentage to Health Returns	..	..	..	..	..	..	..	64·60
Number not fully treated (presumably at risk)	..	..	..	..	..	..	..	1,247
Advice cases not at risk	..	..	..	..	..	..	..	1,720
Total					..	..	..	6,338

STATEMENT 3.

Deaths from Hydrophobia amongst persons treated (Institute and centres 1952.

Serial No.	Case No.	Number of days from commencement of treatment to onset of symptoms.	Sex.	Age in years.	Biting animal.	Duration of illness.	Interval between bite and death in days.	Class of cases.	Duration of treatment in days
1	2	3	4	5	6	7	8	9	10

NIL.

STATEMENT 4.

Classification by animals which bit, licked or scratched the patients (Institute and Centres) 1952.

Numberator—Death.					Denominator—Cases.		
Animals.					Number treated.	Percetnage to total.	Death rate percent.
Dogs	..	..	..	..	4,126	89·35	$\frac{0}{4126} = 0\%$
Jackals	..	..	..	..	235	5·09	$\frac{0}{235} = 0\%$
Wolf and Tiger	..	..	..	..	2	·04	$\frac{0}{2} = 0\%$

N.B.—Examination of brain is at present conducted by the West Bengal Veterinary College, Calcutta.



## STATEMENT 5.

**Clasiflcation by the animals which bit, scratched or licked the patients in 1952.**

Animals.				Number treated.	Percentage to total.	Deaths.	Percentage of death rate.
Dogs	..	..	..	4,126	89·35	....	....
Jackals	..	..	..	235	5·09	....	....
Monkeys	..	..	..	167	3·62	....	....
Cats	..	..	..	42	·91	....	....
Human	....	..	..	13	·29	....	....
Cows	..	..	..	14	·31	....	....
Ass	..	..	..	1	·02	....	....
Buffalo	..	..	..	1	·02	....	....
Experimental Sheep	..	..	..	2	·04	....	....
Guineapigs	..	..	..	1	·02	....	....
Horse	..	..	..	4	·09	....	....
Rabbit	..	..	..	1	·02	....	....
Bear	..	..	..	1	·02	....	....
Wolf	..	..	..	1	·02	....	....
Pig	..	..	..	1	·02	....	....
Mongoose	..	..	..	3	·06	....	....
Tiger	..	..	..	1	·02	....	....
Calf	..	..	..	1	·02	....	....
Others	..	..	..	3	·06	....	....
Total				4,618	100·	....	....

## STATEMENT 6.

Statement showing by districts the number of treatments sent to treatment centres during the year 1952.

			1952 (Human Vaccine).	1952 (Animal Vaccine). c.c.
Bankura	..	..	150	..
Birbhum	..	..	185	420
Burdwan	..	..	940	1,540
Calcutta	..	..	1,509	9,302
Chandernagore	..	..	157	..
Darjeeling	..	..	270	..
West Dinajpur	..	..	80	..
Hooghly	..	..	415	420
Howrah	..	..	433	105
Jalpaiguri	..	..	248	..
Malda	..	..	141	..
Midnapore	..	..	467	..
Murshidabad	..	..	486½	..
Nadia	..	..	611	..
24-Parganas	..	..	779½	1,470
Indian States	..	..	271½	..
Railways	..	..	1,796	..
Tea Estates	..	..	195½	..
Orissa	..	..	8	..
Bihar	..	..	16	..
Uttar Pradesh	..	..	..	..
Railway Colliery	..	..	..	..
Miscellaneous	..	..	6	..
Military—				
New Delhi	..	..	..	245
Calcutta	..	..	..	2,170
Ranchi	..	..	..	200
Total	..	..	9,165	16,292

## APPENDIX IIIA.

Statements of the Chemical Examiner to the Government of West Bengal.

## STATEMENT 1.

Summary of work done in 1951 and 1952.

Nature of cases.	1951.		1952.	
	Number of cases investigated.	Number of articles examined.	Number of cases investigated.	Number of articles examined.
1	2	3	4	5
Human Poisoning cases [(a) in Table II]	1,262	1,994	1,201	1,859
Animal Poisoning cases [(a) in Table II]	93	151	97	176
Stain cases [(c) in Table II] ..	1,511	4,834	1,591	4,903
Miscellaneous cases [(d) in Table II] ..	3	61	6	116
Samples of preservatives ..	....	523	....	478
Total (Medicolegal work) ..	2,869	7,563	2,895	7,532
General Analysis (Table V) ..	425	1,443	218	558
Excise work (Drugs) [Table V] ..	451	1,895	591	2,621
Excise work (Alcohol) [Table V] ..	3,682	18,203	4,029	20,300
Grand Total ..	7,427	29,104	7,733	31,011

STATEMENT 2.

Showing the results of Medicolegal analysis according to cases in 1951 and 1952.

Nature of exhibits.	1951.			1952.		
	Total number of cases investigated.	Total number of cases detected.	Total number of articles examined.	Total number of cases investigated.	Total number of cases detected.	Total number of articles examined.
1	2	3	4	5	6	7
(a) Human poisoning cases (General).						
1. Cases in which viscera and contents were tested for poison—						
The viscera of 934 individuals tested—						
Poison detected in 566	932	564	1,086	909	546	1,073
Poison not detected in 368						
2. Cases in which tissues other than the viscera were tested for poison—						
The number of human tissues tested 81	6	1	74	14	1	81
Poison detected in 37						
Poison not detected in 44						
3. Cases in which excreta, vomit or stomach contents received without viscera were tested for poison.	234	183	339	210	160	272
4. Cases in which only miscellaneous articles were received.	68	51	153	55	35	105
5. Cases in which miscellaneous articles were received with cases under entries 1, 2 and 3.	....	....	315	....	....	307



*Abortion.*

6. Cases in which viscera and contents were tested for poison—										
The viscera of 11 individuals tested—	..	22	20	22	11	8	12			
Poison detected in	8									
Poison not detected in	3									
7. Cases in which tissues other than viscera were tested for poison—										
The number of human tissues tested	3	....	....	4	....	....	3			
Poison detected in	1									
Poison not detected in	2									
8. Cases in which excreta, vomit or stomach contents received without viscera were tested for poison.		....	....	....	1	1	1			
9. Cases in which only miscellaneous articles were received.		....	....	....	1	1	1			
10. Cases in which miscellaneous articles were received with cases under entries 6, 7 and 8.		....	....	1	..	....	4			
Total (a)	..	1,262	819	1,994	1,201	752	1,859			

Nature of exhibits.

1

.. 2

3

4

7

(b) Animal Poisoning Cases.

11. Cases in which viscera and contents from horned cattle were tested for poison—

The viscera of 85 horned cattle examined—

Poison detected in 49

Poison not detected in 36

12. Cases in which viscera and contents from animals other than horned cattle were tested for poison—

The viscera of 3 dogs, 1 pig and 1 hen were examined— .. ..

Poison was detected in viscera of 2 dogs ..

Poison was not detected in viscera of 1 dog, 1 pig and 1 hen.

13. Cases in which animal tissues other than viscera were tested for poison.

14. Cases in which excreta or vomit received without viscera or tissues were tested for poison.

15. Cases in which only miscellaneous articles were received.

16. Cases in which miscellaneous articles were received with cases under entries 11, 12, 13 and 14.

Total (b)

..

93

77

151

97

62

176

(c) Stain Cases.

17.	Blood stain cases (murder cases)	..	..	1,137	1,131	3,893	1,153	1,142	3,917
18.	Blood stain in rape and unnatural offence cases	..	..	47	47	87	41	41	60
19.	Seminal stain cases	..	..	256	195	460	297	264	458
20.	Mixed blood and seminal stain cases	..	..	65	65	170	98	98	215
21.	Cases for detection of gonococci and pus cells	..	..	....	....	184	....	....	233
22.	Cases for detection of acid stains	..	..	4	4	9	....	....	..
23.	Cases for detection of alkali stains	..	..	....	....	12	....	....	....
24.	Cases of detection of purged matter stains	..	..	....	....	4	1	1	3
25.	Cases of detection of saliva stains	..	..	1	1	2	....	....	....
26.	Cases of detection of gunpowder stains and deposits.	..	..	1	1	8	....	....	4
27.	Cases of detection of dye stuff	..	..	....	....	3	....	..	5
28.	Cases of detection of oil stains	..	..	....	....	2	1	....	1
29.	Cases of detection of grease stains	..	..	....	....	....	....	....	....
30.	Cases of detection of alcohol and kerosene oil stains.	..	..	....	....	....	....	....	7
Total (c)				1,511	1,444	4,834	1,591	1,546	4,903

(d) Miscellaneous Cases.

31.	Cases for identification of hair, bones, colostrum corpuscles, lochial discharge, etc.	..	..	3	3	61	6	4	116
Total (d)				3	3	61	6	4	116
Grand Total (a), (b), (c), and (d)				2,869	2,343	7,040	2,895	2,362	7,054



# APPENDIX IIIA.

## STATEMENT 3.

Showing the nature of Poisons detected according to articles received under headings 1 to 16 of Statement 2.

Nature of poisons.	Human poisoning.																Animal poisoning.			
	General.								Abortion.											
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
Abrus Precatorius .. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Acid Acetic (salts of) and Acid Salicylic (salts of)	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Acid Barbituric (salts of) .. .. .	..	4	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Acid Carbolic .. .. .	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Acid Hydrocyanic (salts of) .. .. .	..	14	..	..	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Acid Hydrocyanic (salts of) and Opium	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Acid Nitric .. .. .	..	3	..	..	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Acid Nitric (salts of) and Acid Sulphuric (salts of)	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Acid Nitric (salts of) .. .. .	..	9	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Acid Nitric and Acid Nitric (salts of)	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Acid Oxalic (salts of) .. .. .	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Acid Salicylic (salts of) .. .. .	..	5	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Acid Salicylic and Acid Barbituric (salts of)	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Acid Sulphuric .. .. .	..	2	..	1	13	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Acid Sulphuric and Acid Hydrochloric	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Acid Sulphuric (salts of) .. .. .	..	4	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Aconite .. .. .	..	27	..	16	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..



Nature of poisons.	Human poisoning.												Animal poisoning.		
	General.						Abortion.						In viscera and vomit or excreta received with viscera.		
	In viscera and vomit or excreta received with viscera.	In tissues and vomit or excreta received with viscera.	In vomit and excreta received without viscera.	In miscel- laneous articles.	In viscera and vomit or excreta received with viscera.	In tissues and vomit or excreta received with viscera.	In vomit and excreta received without viscera.	In miscel- laneous articles.	In viscera and vomit or excreta received with viscera.	In tissues and vomit or excreta received with viscera.	In vomit and excreta received without viscera.	In miscel- laneous articles.			
1	2	3	4	5	6	7	8	9	10	11	12	13			
Calotropis Gigantea (Madar)	..	4	..	1	2	2	1	..	19	1	..	3			
Calomel	..	..	..	1	..	..	..	..	..	..	..	..			
Camphor	..	..	..	..	..	..	..	..	..	..	..	..			
Cannabis Sativa (Bhang)	..	1	..	..	1	..	..	..	..	..	..	..			
Carboxy Haemoglobin	..	..	2	..	..	..	..	..	..	..	..	..			
Cas tor oil	..	..	..	1	..	..	..	..	..	..	..	..			
Chloral Hydrate	..	..	..	..	..	..	..	1	..	..	..	..			
Chloroform	..	..	..	1	..	..	..	..	..	..	..	..			
Cocaine	..	..	..	..	..	..	..	..	..	..	..	..			
Codiene	..	..	3	..	..	..	..	..	..	..	..	..			
Copper (salts of)	..	5	1	..	..	..	..	..	..	..	..	..			
Copper Sulphate	..	12	..	3	..	..	..	..	..	..	..	..			
Copper Sulphate and Opium	..	1	..	..	..	..	..	..	..	..	..	..			
Creosote	..	..	..	1	..	..	..	..	..	..	..	..			
Cresol	..	1	..	..	..	..	..	..	..	..	..	..			
Cresol and Fatty Acid	..	..	..	1	..	..	..	..	..	..	..	..			
Euphorbium resin	..	..	..	1	..	..	..	..	..	..	..	..			
Gardenal	..	1	1	1	..	..	..	..	..	..	..	..			
Hyoscyamine	..	..	..	2	..	..	..	..	..	..	..	..			
Kerosene	..	..	..	1	..	..	..	..	..	..	..	..			
Lead	..	..	..	5	..	..	..	..	..	..	..	..			
Lead and Copper and iron	..	..	..	..	..	..	..	..	1	..	..	..			
Magnesium sulphate and magnesium carbonate	..	..	..	1	..	..	..	..	..	..	..	..			





# APPENDIX IIIA.

## STATEMENT 4.

Showing the place wherefrom viscera tested for poison were received during the year 1952.

States.	Divisions.	Districts.	Total number of cases investigated.	Human cases.		Animal cases.				
				Total number of cases in which poison was detected.	Total number of cases in which poison was not detected.	Total number of cases investigated.	Total number of cases in which poison was detected.	Total number of cases in which poison was not detected.	Total number of cases in which poison was not detected.	Total number of cases in which poison was not detected.
1	2	3	4	5	6	7	8	9		
West Bengal	.. Burdwan	.. Burdwan	35	24	11	3	1	2		
		Birbhum	10	4	6	1	1	..		
		Bankura	10	5	5	1	1	..		
		Midnapore	43	25	18	2	1	1		
		Hooghly	22	19	3	..	..	..		
		Howrah	43	29	14	1	..	1		
	Presidency	.. Nadia	9	7	2	5	3	2		
		24-Parganas	196	127	69	6	6	..		
		Calcutta	216	152	64	3	3	..		
		Murshidabad	18	12	6	7	5	2		
		West Dinajpur	5	4	4	1	..	1		
		Jalpaiguri	11	6	5	1	..	1		
		Malda	2	..	2	2	1	1		
		Cooch Behar	2	..	2	2	..	2		
		Darjeeling	12	9	3	..	..	..		
			..	..	..	..	..	..		

Bihar	..	..	Patna	..	..	Patna	..	..	54	36	18	6	6	1
			..	..	..	Patna	..	..	54	36	18	6	6	1
			..	..	..	Gaya	..	..	29	18	11	10	9	1
			..	..	..	Sahabad	..	..	36	16	20	..	..	..
			..	..	..		..	..						
			..	..	..	Saran	..	..	24	13	11	4	3	1
			..	..	..	Champaran	..	..	17	6	11	..	..	..
			..	..	..	Muzaffarpur	..	..	11	7	4	2	1	1
			..	..	..	Darbhanga	..	..	19	8	11	6	4	2
			..	..	..		..	..						
			..	..	..	Bhagalpur	..	..	35	28	12	..	..	..
			..	..	..	Monghyr	..	..	15	8	7	4	3	1
			..	..	..	Purnea	..	..	25	11	14	..	..	..
			..	..	..	Santal Parganas	..	..	19	12	7	1	1	..
			..	..	..		..	..	36	28	13	2	..	2
			..	..	..	Ranchi	..	..	19	11	8	1	1	..
			..	..	..	Hazaribagh	..	..	8	4	4	4	3	1
			..	..	..	Palamow	..	..	18	9	9	1	1	..
			..	..	..	Manbhum	..	..	21	13	8	2	2	..
			..	..	..	Singhbhum	..	..						
			..	..	..		..	..						
			..	..	..	Cuttack	..	..	10	4	6	4	..	4
			..	..	..	Puri	..	..	22	12	10	..	..	..
			..	..	..	Balasore	..	..	17	14	8	..	..	..
			..	..	..	Sambalpure	..	..	30	19	11	1	1	..
			..	..	..	Koraput	..	..	13	8	5	2	2	..
			..	..	..	Ganjam	..	..	11	5	6	1	1	..
			..	..	..	Mayurbhanj	..	..	16	12	4	1	1	..
			..	..	..	Dhenkanal	..	..	9	6	3	6	..	6
			..	..	..	Keonjhar	..	..	4	4	..	..	..	..
			..	..	..	Kalahandi	..	..	8	4	4	..	..	..
			..	..	..	Sundargarh	..	..	4	4	..	..	..	..
			..	..	..	Phulbani	..	..	1	1	..	..	..	..
			..	..	..	Balangir	..	..	8	6	2	1	..	1



States.	Divisions.	Districts.	Total number of cases investigated.	Human cases.			Animal cases.		
				Total number of cases in which poison was detected.	Total number of cases in which poison was not detected.	Total number of cases in which poison was detected.	Total number of cases in which poison was not detected.	Total number of cases in which poison was detected.	Total number of cases in which poison was not detected.
1.	2	3	4	5	6	7	8	9	
<b>Assam.</b>									
..	Assam Valley	..	..	..	..	..	..	..	..
		Lakhimpur (Dibrugarh)	..	..	..	..	..	..	..
		Kamrup (Gaughati)	..	4	2	2	1	..	..
		Sibsagar (Jorhat)	..	1	..	1	..	..	..
		Nowgong	..	2	1	1	..	..	..
		Goalpara (Dhubri)	..	..	..	..	..	..	..
		Darrang (Tezpur)	..	1	..	1	..	..	..
		Garó Hills (Tura)	..	..	..	..	..	..	..
		Sadiya Frontier Tract	..	1	1	..	..	..	..
		Ballipara Frontier Tract	..	..	..	..	..	..	..
	Surma Valley	..	..	..	..	..	..	..	..
		Slyhet	..	..	..	..	..	..	..
		Cachar (Silchar)	..	1	..	1	..	..	..
		Khasla and Jaintia Hills (Shillong)	..	2	..	2	..	..	..
		Naga Hills (Kohima)	..	..	..	..	..	..	..
		Lushai Hills (Aijal)	..	..	..	..	..	..	..
		Miscellaneous	..	4	2	2	2	..	..
		Government of India	..	11	6	5	..	..	..

**STATEMENT 5.**

# APPENDIX IIIA.

## STATEMENT 5.

### General analysis of cases received from Government Departments.

Received from—	Nature of substance.	Number of articles examined.	Total number of articles examined.	Result of last year.	Increase.	Decrease.
1	2	3	4	5	6	7
I—General Department.						
1. Government of India and Other Governments	Drugs, explosives	..	..	..	..	..
2. Director of Health Services, West Bengal	..	..	..	..	..	..
3. Medical College and other Hospitals in Calcutta	Drugs, Formalin, etc.	..	4	3	..	4
4. Inspector of Explosives, East Circle, Calcutta	Explosive substances	..	..	749	..	749
5. Commissioner of Police, Calcutta	Food, Drugs, Explosives, Ornaments, Chemicals, Kerosene, Stamp, Inks, Fountain-pen.	123	123	264	..	136
6. Miscellaneous Departments—						
(a) Magistrates and Other Officers, West Bengal	Food, Drugs Explosives, Cement, Petrol, Kerosene, Coal-dust, Clay, Ornaments, Paint, Doubling of Notes, Chemicals, Minerals.	352				
(b) Magistrates and Other Officers, Bihar	Food, Explosives, Clay, Dye, Gum, Ink, Petrol and Chemicals.	13	426	386	40	..
(c) Magistrates and Other Officers, Orissa	Counterfeit, Manure, Ornaments and Petrol	16				
(d) Magistrates and Other Officers, Assam	Explosives, Gold (fake), suspected substance	2				
(e) Other Miscellaneous sources	Food, Drugs, Explosives, Chemicals, Blood, Urine, Faeces, Beeswax.	43				
7. Director, Consumer Goods	Foods and Food coupons	..	..	36	..	36
Total General articles		..	558	1,443	40	925



II. *Excise Section.*

(a) West Bengal	..	..	Alcohol	20,218	22,819	
	..	..	Drugs	2,601		
(b) Bihar	..	..	Alcohol	..	2	
	..	..	Drugs	2		
(c) Orissa	..	..	Alcohol	82	96	20,098
	..	..	Drugs	14		2,823
(d) Assam	..	..	Alcohol	..		..
	..	..	Drugs	4		
(e) Miscellaneous sources :—						
States of Kashmir and Manipur	..	..	Alcohol	..		
	..	..	Drugs	..		
<hr/>						
Total Excise articles				..	22,921	20,098
				..		2,823
				..	23,479	21,541
Grand Total				..		2,863
				..		925

# APPENDIX IV.

## STATEMENT 1.

### Showing particulars of Vaccination in the State of West Bengal during the year 1952.

Serial No.	Districts.	Estimated mid-year population for the year 1952.	Average number of vaccinators employed throughout the year.	Total number of persons vaccinated.		Average number of persons vaccinated by each vaccinator.	Primary vaccinations.			
				Male.	Female.		Total.	Successful.	Under one year.	One year and under six years.
1	2	3	4	5	6	7	8	9	10	11
A—Districts										
(Excluding towns).										
1	Burdwan	..	..	183,196	110,575	293,771	3,264	59,339	19,943	28,608
2	Asansol Mining Settlement	..	..	117,084	66,828	183,912	7,074	19,821	8,365	8,250
3	Birbhum	..	..	195,820	109,810	305,630	6,644	55,708	8,771	27,610
4	Bankura	..	..	133,200	68,425	201,625	10,612	37,330	4,652	22,866
5	Midnapore	..	..	545,737	341,741	887,478	5,512	130,561	35,918	79,484
6	Hooghly	..	..	185,996	109,935	295,931	3,402	47,085	12,089	27,238
7	Howrah	..	..	92,250	50,058	142,308	10,947	24,160	4,461	16,564
8	24-Parganas	..	..	394,630	216,902	611,532	3,397	103,551	12,164	73,665
9	Nadia	..	..	960,386		Not available.				
10	Murshidabad	..	..	509,223	309,914	819,137	40,957	85,160	35,329	37,946
11	West Dinajpur	..	..	147,578	85,398	232,976	16,641	34,292	3,506	15,613
12	Jalpaiguri	..	..	888,251	Not available	115,631	..	15,813	3,345	7,548
13	Darjeeling	..	..	354,410	43,751	108,371	3,612	6,001	2,404	2,662
14	Malda	..	..	911,142	102,349	232,689	23,269	38,379	5,168	7,954
15	Cooch Behar	..	..	Not available	30,237	99,438	12,430	17,532	911	6,993
Total of Districts (Excluding towns).		..	704	2,842,446	1,687,983	4,530,429	6,435	674,732	157,026	363,001

Primary vaccinations.

Percentage of successful cases in which results were known.

Re-vaccinations.

Persons successfully vaccinated per 1,000 of population.

Number of all successful vaccinations and re-vaccinations performed by the vaccination staff only.

Serial No

Districts.

1

2

12

13

14

15

16

17

18

19

29

149,605

32,731

132,433

83,597

461,755

93,885

50,368

199,176

294,739

66,480

29,564

24,132

17,474

32,676

1,668,615

88.9

29.0

81.8

1,116,405

3,855,697

63,803

3,855,697

1,493,511

29.0

88.9

1,668,615

32,676

17,474

24,132

29,564

66,480

294,739

50,368

93,885

461,755

83,597

132,433

32,731

149,605

29

19

18

17

16

15

14

13

12

11

10

9

8

7

6

5

4

3

2

1

Burdwan

Asansol Mining Settlement

Birbhum

Bankura

Midnapore

Hooghly

Howrah

24-Parganas

Nadia

Murshidabad

West Dinajpur

Jalpaiguri

Darjeeling

Malda

Cooch Behar

Total of districts (Excluding towns).

Not available.

24.4

59.3

44.8

76.5

138.6

66.3

127.3

..

40.1

93.7

42,797

94,025

234,432

1,982

55,580

1,982

234,432

94,025

234,432

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Serial No.	Districts.	Estimated mid-year population for the year 1952.	Average number of vaccinators employed throughout the year.	Total number of persons vaccinated.			Average number of persons vaccinated by each vaccinator.	Primary vaccination.		
				Male.	Female.	Total.		Total.	Successful.	Under one year. One year and under six years.
1	2	3	4	5	6	7	8	9	10	11
<b>B—TOWNS.</b>										
BURDWAN DISTRICT.										
1	Burdwan	..	..	27,494	16,472	43,966	8,793	1,852	1,143	280
2	Kalna	..	..	1,932	1,598	3,530	1,765	239	165	59
3	Katwa	..	..	5,135	3,264	8,399	8,399	762	457	290
4	Dainhat	..	..	1,077	703	1,780	1,780	167	50	110
5	Raniganj	..	..	3,751	3,049	6,800	3,400	1,454	625	829
6	Asansol	..	..	12,175	7,075	19,250	3,208	1,753	936	669
BIRBHUM DISTRICT.										
7	Suri	..	..	5,010	3,652	8,662	4,331	461	218	204
8	Bolpur	..	..	5,907	5,743	11,650	5,825	728	230	307
9	Rampurhat	..	..	8,981	8,010	16,991	8,496	1,863	1,071	591
BANKURA DISTRICT.										
10	Bankura	..	..	13,105	11,128	24,233	4,039	1,661	457	905
11	Bishnupur	..	..	3,610	2,508	6,118	6,118	901	254	512
12	Sonamukhi	..	..	1,808	1,851	3,659	3,659	281	13	232
MIDNAPORE DISTRICT.										
13	Midnapore	..	..	7,027	5,493	12,520	4,173	673	447	191
14	Ghatal	..	..	4,400	250	4,650	4,650	380	100	230
15	Kharar	..	..			Return not received.				

16	Chandrakona	..	..	5,813	2	974	514	1,488	744	185	46	98
17	Ramjibanpur	..	..	7,575	1	516	254	770	770	200	17	120
18	Khirpai	..	..	4,322	1	528	321	849	849	174	9	165
19	Tamluk	..	..	13,687	1	2,714	1,593	4,307	4,307	293	35	242
HOOGLHY DISTRICT.												
20	Hooghly-Chinsurah	..	..	58,033	2	44,135	28,847	72,982	36,491	3,136	576	2,027
21	Bansberia	..	..	30,764	2	3,195	1,795	4,990	2,495	641	237	310
22	Arambagh	..	..	11,569				Return not received.				
23	Serampore	..	..	74,596	5	19,402	12,658	32,060	6,412	2,491	1,776	474
24	Baidyabati	..	..	25,395	3	4,060	2,534	6,594	2,198	549	233	292
25	Rishra	..	..	27,489	5	3,789	1,725	5,514	1,103	562	139	394
26	Uttarpara	..	..	17,255	1	2,340	2,710	5,050	5,050	424	195	191
27	Kotrung	..	..	14,306	1	979	726	1,705	1,705	215	56	145
28	Bhadreswar	..	..	36,678	1	2,286	1,168	3,454	3,454	371	179	192
29	Champdani	..	..	32,189	1	2,590	1,098	3,688	3,688	906	442	464
30	Konnagar	..	..	20,472	1	2,788	1,510	4,298	4,298	494	208	286
HOWRAH DISTRICT.												
31	Howrah	..	..	4,32,590	12	50,644	31,740	82,384	6,865	6,544	3,427	2,810
32	Bally	..	..	63,375	2	7,055	4,766	11,821	5,911	687	186	432
24-PARGANAS DISTRICT.												
33	South Suburban	..	..	1,04,322	6	34,247	16,139	50,386	8,398	3,764	647	3,080
34	Tollygunge	..	..	1,50,358				Not available.				
35	Budge-Budge	..	..	32,356	1	6,989	1,512	8,501	8,501	494	296	76
36	Rajpur	..	..	16,400	5	1,752	1,714	3,466	693	390	141	153
37	Baruipur	..	..	9,362				Not available.				
38	Joynagar-Mazilpur	..	..	13,542	1	1,108	1,019	2,127	2,127	513	27	457
39	Garden-Reach	..	..	1,09,382	11	29,076	13,323	42,399	3,855	3,478	1,284	2,137
40	Baranagar	..	..	78,030	7	23,860	17,380	41,240	5,891	3,441	2,397	1,081
41	Kamarhati	..	..	78,460	3	14,450	4,028	18,478	6,159	850	215	480

Serial No.	Districts	Primary vaccinations.				Re-vaccinations.				Percentage of successful cases in which results were known.				Persons successfully vaccinated per 1,000 of population,		Number of all successful vaccinations and re-vaccinations formed by the vaccination staff only.	
		Successful.		Unknown.		Successful		Unknown.		Primary.		Re-vaccinations.		18	19	29	
		Total of all ages.	12	13	14	15	16	17	18								
1	2																
<b>B—TOWNS</b>																	
<b>BURDWAN DISTRICT.</b>																	
1	Burdwan	..	..	89	42,114	18,932	5,115	79.4	45.0	270.0	20,402						
2	Kalna	..	..	5	3,291	1,630	987	93.7	49.5	106.3	1,854						
3	Katwa	..	..	9	7,637	3,705	3,932	98.8	48.5	283.2	4,458						
4	Dainhat	..	..	7	1,613	1,613	..	95.8	100.0	211.7	1,773						
5	Raniganj	..	..	..	5,346	2,124	..	100.0	39.7	137.2	3,578						
6	Asansol	..	..	120	17,497	603	..	93.2	3.4	29.3	2,236						
<b>BIRBHUM DISTRICT.</b>																	
7	Suri	..	..	39	8,201	3,152	504	91.5	38.4	194.9	3,574						
8	Bolpur	..	..	62	10,922	3,694	2,876	80.5	33.8	287.8	4,280						
9	Rampurhat	..	..	42	15,128	9,236	1,796	96.0	61.1	731.6	11,024						
<b>BANKURA DISTRICT.</b>																	
10	Bankura	..	..	121	22,572	10,721	7,031	82.0	47.5	243.0	12,083						
11	Bishnupur	..	..	9	5,217	1,155	510	93.2	22.1	82.5	1,995						
12	Sonamukhi	..	..	10	3,378	426	..	87.5	12.6	53.8	672						
<b>MIDNAPORE DISTRICT.</b>																	
13	Midnapore	..	..	6	11,847	4,118	2,555	94.8	34.8	103.1	4,756						
14	Ghatal	..	..	..	4,270	1,067	50	100.0	25.0	87.7	1,447						
15	Kharar	..	..	..													

Return not received.



16	Chandrakona	..	..	162	23	1,803	384	464	37.6	25.6	55.8	496
17	Ramjibanpur	..	..	180	20	570	280	290	90.0	49.8	60.7	460
18	Khirpai	..	..	174	..	675	675	..	100.0	100.0	196.4	849
19	Tamluk	..	..	283	7	4,014	1,015	244	96.6	25.3	94.8	1,298
HOOGLHY DISTRICT.												
20	Hooghly Chinaurah	..	..	2,603	89	69,846	6,984	693	83.0	10.0	165.2	9,587
21	Bansberia	..	..	587	6	4,349	1,033	57	91.6	23.8	52.7	1,620
22	Arambagh	..	..						Return not received.			
23	Serampore	..	..	2,439	52	29,569	75	15,649	97.9	.3	33.7	2,514
24	Baidyabati	..	..	549	..	6,045	3,166	..	100.0	52.4	146.3	3,715
25	Rishra	..	..	550	..	4,952	2,965	609	97.9	59.9	127.9	3,515
26	Uttarpara	..	..	386	8	4,626	2,465	872	91.0	53.3	165.2	2,851
27	Kotrung	..	..	215	..	1,490	435	..	100.0	29.2	45.4	650
28	Bhadreswar	..	..	371	..	3,083	733	..	100.0	23.8	30.1	1,104
29	Champdani	..	..	906	..	2,782	858	1,924	100.0	30.8	54.8	1,764
30	Konnagar	..	..	494	..	3,804	942	1,189	100.0	24.8	70.1	1,436
HOWRAH DISTRICT.												
31	Howrah	..	..	6,470	19	76,840	14,979	13,006	98.9	19.8	49.6	21,449
32	Bally	..	..	657	25	11,134	4,382	840	95.6	60.7	79.5	5,039
24-PARGANAS DISTRICT.												
33	South Suburbon	..	..	3,764	..	46,622	7,707	15,940	100.0	16.5	110.0	11,471
34	Tollyganj	..	..						Not available.			
35	Budge Budge	..	..	476	..	8,007	2,997	..	96.4	37.4	107.3	3,473
36	Rajpur	..	..	320	70	3,076	931	2,145	82.1	30.3	76.3	1,251
37	Baruipur	..	..						Not available.			
38	Joynagar-Mailpur	..	..	513	..	1,614	233	..	100.0	14.4	55.1	746
39	Garden Reach	..	..	3,449	29	38,921	4,447	13,048	99.2	11.4	72.2	7,896
40	Baranagar	..	..	3,368	15	37,799	5,580	6,891	97.9	14.8	114.7	8,948
41	Kamarhati	..	..	745	105	17,628	825	16,125	87.6	4.7	20.0	1,570

Serial No.	Districts.	Estimated mid-year population for the year 1952.	Average number of vaccinators employed throughout the year.	Total number of persons vaccinated.			Average number of persons vaccinated by each vaccinator.	Primary vaccination.			
				Male.	Female.	Total.		Total.	Successful.		
									Under one year.	One year and under six years.	
1	2	3	4	5	6	7	8	9	10	11	
42	Garulia ..	28,539	2	2,696	2,450	5,146	2,573	832	148	642	
43	Barrackpore ..	42,484	2	17,587	2,870	20,457	10,229	1,318	486	526	
44	Khardah ..	18,603					Not available.				
45	North Barrackpore ..	32,351	2	5,771	3,998	9,769	4,885	686	446	115	
46	Panihati ..	49,720					Not available.				
47	Titagarh ..	71,897	4	11,610	11,876	23,486	5,872	753	185	501	
48	South Dum Dum ..	61,526	1	17,681	8,403	26,084	26,084	865	210	625	
49	North Dum Dum ..	12,242					Not available.				
50	Dum Dum ..	14,163	2	5,471	1,881	7,352	3,676	259	155	91	
51	Naihati ..	55,248	3	11,852	8,187	20,039	6,646	801	215	435	
52	Halisahar ..	34,779					Not available.				
53	Kanchrapara ..	56,869	2	3,753	3,521	7,274	3,637	668	217	417	
54	Bhatpara ..	1,34,850	4	19,379	8,064	27,443	6,861	1,670	552	1,108	
55	Gobardanga ..	6,616	1	1,652	568	2,220	2,220	269	85	184	
56	Baraset ..	16,044	1	2,188	1,463	3,651	8,651	403	162	207	
24-PARGANAS DISTRICT.											
57	Baduria ..	16,256					Not available.				
58	Basirhat ..	35,138	1	4,195	2,565	6,760	6,760	1,223	738	485	
59	Taki ..	13,188	1	1,230	1,055	2,285	2,285	550	90	150	
60	Calcutta ..	2,568,764	328	678,384	461,578	1,139,962	3,475	61,271	38,263	16,890	
NADIA DISTRICT.											
61	Krishnagar ..	51,366	3	15,206	8,045	23,251	7,750	1,040	180	426	
62	Nabadwip ..	57,093	1	8,520	7,032	15,552	15,552	1,084	526	415	

63	Santipur	..	..	43,004	3	2,701	2,565	5,266	1,755	415	309	72
64	Ranaghat	..	..	28,012	3	753	346	1,099	1,099	86	36	50
65	Birnagar	..	..	3,879	1	1,499	1,106	2,605	2,605	246	43	109
66	Chakdaha	..	..	15,503	1	8,013	6,942	14,955	4,985	925	547	226

MURSHIDABAD DISTRICT.

67	Berhampore	..	..	56,670	3	3,698	2,523	6,221	6,221	706	162	324
68	Murshidabad	..	..	11,049	1	1,338	1,281	2,619	2,619	597	154	431
69	Jiagunj-Azinganj	..	..	19,325	1	1,749	1,184	2,933	..	454	295	140
70	Kandi	..	..	15,357	..	2,943	1,596	4,539	4,539	393	158	228
71	Jangipur	..	..	18,699	1	1,942	1,599	3,541	3,541	385	120	243
72	Dhulian	..	..	16,192	1	7,219	3,443	10,662	3,554	495	56	119

WEST DINAJPUR DISTRICT.

73	Balurghat	..	..	18,235	3	7,521	3,033	10,554	5,277	503	113	232
74	Raiganj	..	..	15,548	2	18,524	10,590	29,114	2,647	1,318	1,143	115

JALPAIGURI DISTRICT.

75	Jalpaiguri	..	..	41,770	11	8,490	5,047	13,537	13,537	1,058	354	579
76	Darjeeling	..	..	34,040	1	3,429	3,189	6,618	6,618	367	267	100
77	Kurseong	..	..	11,730	1	5,382	3,838	9,220	9,220	445	387	58
78	Kalimpong	..	..	16,752	1	7,412	4,121	11,533	2,883	438	126	279
79	Siliguri	..	..	32,531	4	6,716	5,816	12,532	4,177	929	139	282

MALDA DISTRICT.

80	English Bazar	..	..	31,580	3	Not available.	Not available.	Not available.	Not available.	Not available.	Not available.	Not available.
81	Old Malda	..	..	4,523	3	13,096	8,837	21,933	3,133	807	279	234

COOCH BEHAR DISTRICT.

82	Cooch Behar	..	..	Not available	7	7,082	6,129	13,211	4,404	1,047	353	556
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CHANDERNAGORE.

83	Chandernagore	..	..	Not available	3	1,277,571	826,611	2,194,182	4,252	129,283	66,573	49,059
Total of town				..	516	1,277,571	826,611	2,194,182	4,252	129,283	66,573	49,059



Serial No.	Districts.	Primary vaccinations.			Re-vaccinations.				Percentage of successful cases in which results were known.				Persons successfully vaccinated per 1,000 of population.	Number of all successful vaccinations and re-vaccinations per 1,000 of the vaccination staff only.
		Successful.			Total.	Re-vaccinations.		Primary.	Re-vaccinations.					
		Total of all ages.	Unknown.	Unknown.		Successful.	Unknown.		18	19	20			
1	2	12	13	14	15	16	17	18	19	20				
42	Garulia ..	806	..	4,314	162	16	96.9	3.8	33.9	968				
43	Barrackpore ..	1,306	2	19,139	3,306	5,742	99.1	17.3	108.6	4,612				
44	Kharda ..				Not available.									
45	North Barrackpore ..	686	..	9,083	3,129	1,739	100.0	34.4	117.9	3,815				
46	Panihati ..				Not available.									
47	Titagarh ..	686	..	22,733	..	..	91.1	..	9.3	686				
48	South Dum Dum ..	835	1	25,219	6,260	..	96.5	24.8	115.3	7,095				
49	North Dum Dum ..				Not available.									
50	Dum Dum ..	246	..	7,093	2,835	105	95.0	40.0	217.5	3,081				
51	Naihati ..	726	71	19,238	6,537	10,085	90.6	34.0	131.5	7,263				
52	Halisahar ..				Not available.									
53	Kanchrapara ..	668	..	6,606	1,629	1,885	100.0	24.7	40.4	2,297				
54	Bhatpara ..	1,660	..	25,773	4,046	287	99.4	15.7	42.3	5,706				
55	Gobardanga ..	269	..	1,951	755	1,196	100.0	38.7	154.8	1,024				
56	Baraset ..	403	..	3,248	1,244	327	100.0	38.3	102.7	1,647				
24-PARGANAS DISTRICT.														
57	Baduria ..				Not available.									
58	Basirhat ..	1,223	—	5,537	3,500	2,037	100.0	63.2	134.4	4,723				
59	Taki ..	240	200	1,735	1,025	710	43.6	59.1	95.9	1,265				
60	Calcutta ..	56,808	4,463	1,078,691	886,535	192,156	92.7	82.2	367.2	943,343				
NADIA DISTRICT.														
61	Krishnagar ..	712	328	22,211	6,540	1,430	68.4	29.4	141.2	7,252				
62	Nabadwip ..	941	40	14,468	3,109	3,059	86.8	21.5	70.9	4,050				

63	Santipur	..	..	..	391	24	4,851	440	1,411	94.3	9.1	29.7	831
64	Ranaghat	..	..	..	86	..	1,013	..	..	100.0	..	22.2	86
65	Birnagar	..	..	..	168	78	2,359	350	2,009	68.3	14.8	33.4	518
66	Chakdaha	..	..	..	..	..	..	..	..	..	..	..	..
MURSHIDABAD DISTRICT.													
67	Berhampore	..	..	..	773	152	14,030	2,030	2,829	83.6	20.2	49.5	2,803
68	Murshidabad	..	..	..	681	25	5,515	651	1,173	96.5	11.8	120.6	1,332
69	Jiaganj-Azinganj	..	..	..	585	12	2,022	690	1,500	98.0	34.1	66.0	1,275
70	Kandi	..	..	..	435	19	2,479	418	1,311	95.8	16.9	55.5	853
71	Jangipur	..	..	..	386	7	4,146	480	1,266	98.2	11.6	46.3	866
72	Dhulian	..	..	..	363	22	3,156	1,156	1,150	94.8	36.6	93.8	1,519
WEST DINAJPUR DISTRICT.													
73	Balurghat	..	..	..	275	131	10,167	493	5,675	55.6	4.9	42.1	768
74	Raiganj	..	..	..	345	31	10,051	4,650	2,601	68.6	46.3	321.3	4,995
JALPAIGURI DISTRICT.													
75	Jalpaiguri	..	..	..	1,258	60	27,796	2,542	12,586	95.4	9.1	91.0	3,800
DARJEEILNG DISTRICT.													
76	Darjeeling	..	..	..	933	125	12,479	1,450	11,029	88.2	11.6	70.0	2,383
77	Kurseong	..	..	..	367	..	6,251	550	5,301	100.0	8.8	78.2	917
78	Kalimpong	..	..	..	445	..	8,775	3,220	..	100.0	36.7	218.8	3,665
79	Siliguri	..	..	..	405	26	11,095	346	2,115	92.5	3.1	23.1	751
MALDA DISTRICT.													
80	English Bazar	..	..	..	421	508	11,603	..	..	45.3	..	13.3	421
81	Old Malda	..	..	..	..	..	..	..	..	..	..	..	..
COOCH BEHAR.													
82	Cooch Behar	..	..	..	513	217	21,126	9,610	11,516	63.6	45.5	..	10,123
CHANDARNAGORE.													
83	Chandernagore	..	..	..	973	11	12,164	3,682	1,061	92.9	30.3	..	4,655
Total of towns													
				..	119,635	7,540	1,974,899	1,089,587	400,649	21.0	19.1	212.2	1,209,222

Serial No.	Districts.	Primary vaccinations.			Percentage of successful cases in which results were known.						Persons successfully vaccinated per 1,000 of population.	Number of all successful vaccinations and re-vaccinations performed by the vaccination staff only.	
		Successful.			Re-vaccinations.								
		ages.			Total.			Re-vaccinations.					
		12	13	14	15	16	17	18	19	20			
1	2	260	4	33,548	28,500	2,080	97.0	85.0	..	28,760			
Other Agencies.													
1	Calcutta Port Commissioner	..	..	..	..	..	..	..	..	..	..	..	..
1	Tea Garden	..	..	12,188	..	97,795	43,828	..	89.1	44.8	..	56,016	..
2	Factories	..	..	4,556	..	104,592	19,445	..	78.1	18.6	..	24,001	..
3	Steamers	..	..	..	..	26,393	..	..	..	..	..	..	..
4	Railways	..	..	2,261	174	36,121	12,176	21,355	90.7	33.7	..	14,437	..
5	Jails	..	..	2,872	13	573,854	434,698	19,931	95.6	75.8	..	437,570	..
6	Dispensaries	..	..	..	..	..	..	..	..	..	..	..	..
Total of other agencies		..	187	838,755	510,147	41,286	87.5	60.8	..	532,024	..	..	..
Grand Total		..	71,534	6,702,899	2,744,639	1,937,526	49.9	40.9	140.5	3,438,621	..	..	..



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Serial No.	Districts.	Estimated mid-year population for the year 1952.	Average number of vaccinators employed throughout the year.	Total number of persons vaccinated.			Average number of persons vaccinated by each vaccinator.	Primary vaccination.			
				Male.	Female.	Total.		Total.	Successful.		
									Under one year.	One year and under six years.	
1	2	3	4	5	6	7	8	9	10	11	
1	Calcutta Port Commissioner	..	3	31,938	1,878	33,816	11,272	268	190	70	
OTHER AGENCIES.											
1	Tea Gardens	..	..	..	..	111,471	..	13,676	..	..	
2	Factories	..	..	..	..	110,425	..	5,833	..	..	
3	Steamers	..	..	..	..	26,393	..	..	..	..	
4	Railways	..	..	26,620	11,995	38,615	4,291	2,494	1,399	862	
5	Jails	..	..	571,326	5,533	576,859	82,408	3,005	1,369	539	
6	Dispensaries	..	..	..	..	..	..	..	..	..	
Total of other Agencies			16	597,946	17,528	863,763	53,985	25,008	2,768	1,401	
Grand Total			24,468,018	1,239	3,472,330	2,534,000	7,532,190	829,291	226,557	413,531	

# Summary.

	Total number of persons vaccinated.		Total number of operation performed.		Percentage of successful cases in which results were known.		Average number of persons vaccinated by each vaccinator.		Number of children successfully vaccinated.		Ratio of successful vaccination per 1,000 of population.	
	Primary.	Re-vaccination.	Primary.	Re-vaccination.	Primary.	Re-vaccination.	Vaccinators employed.	Persons vaccinated by each vaccinator.	Under 1 year.	One year and under six.		
1	2	3	4	5	6	7	8	9	10	11	12	13
District excluding towns	674,732	3,855,697	674,732	3,855,697	80.8	29.0	704	6,435	157,026	363,001	88.9	16,68,615
Towns	129,283	1,974,899	129,283	1,974,899	21.0	19.1	516	4,252	66,573	49,059	212.2	1,209,222
By special staff	268	33,548	268	33,548	97.0	85.0	3	11,272	190	70	..	28,760
Other agencies—Tea gardens, factories, steamers, railways, jails and dispensaries.	25,008	838,755	25,008	838,755	87.5	60.8	16	53,985	2,768	1,401	..	532,024
Grand Total	829,291	6,702,899	829,291	6,702,899	49.9	40.9	1,239	6,079	226,557	413,531	140.5	3,438,621

STATEMENT 2.

Showing the total number of persons vaccinated with the number of those persons who were successfully vaccinated during the six years ending in 1952.

		1947.		1948.		1949.		1950.		1951.		1952.	
		Total number.	Number successfully vaccinated.	Total number.	Number successfully vaccinated.	Total number.	Number successfully vaccinated.	Total number.	Number successfully vaccinated.	Total number.	Number successfully vaccinated.	Total number.	Number successfully vaccinated.
1.	Government Staff ..	..	..	45,205	19,427	104,007	45,987	47,893	26,330	73,710	49,454	33,816	28,760
2.	District Boards ..	3,615,681	1,399,682	4,307,481	1,595,676	3,507,504	1,284,087	3,886,607	1,452,071	6,479,004	2,396,424	4,530,429	1,668,615
3.	Municipalities ..	1,131,973	285,888	1,753,449	397,730	1,613,645	1,094,749	2,751,323	1,842,573	2,364,760	1,210,959	2,194,182	1,209,222
4.	Tea gardens, factories, steamers, railways, jails and dispensaries.	145,702	71,506	287,094	73,847	271,506	106,367	440,139	188,561	550,249	200,171	863,763	532,024
5.	Public vaccinators ..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..		4,893,356	1,657,076	6,393,229	2,086,680	5,496,722	2,531,190	7,125,962	3,509,535	9,467,723	3,857,008	7,532,190	3,438,621
Primary vaccinations ..		806,856	574,384	800,336	636,962	664,352	544,588	813,482	678,615	1,173,856	926,255	829,291	693,982
Percentage of the total ..		..	..	12.5	30.5	12.0	21.5	11.4	19.3	12.4	24.0	11.0	20.2
Re-vaccinations ..		4,307,771	1,181,692	5,592,893	1,449,718	4,832,370	1,986,602	6,312,480	2,830,920	8,293,867	2,930,753	6,702,899	2,744,639
Percentage of the total ..		..	..	87.5	69.5	87.9	78.5	88.6	80.7	87.6	76.0	89.0	79.8



### STATEMENT 3.

Showing side by side the ratio per mille of population of deaths from small pox and the number of successful vaccinations during the year ending 1952.

	1943-44.		1944-45.		1945.		1946.		1947.	
	Ratio of deaths from small-pox.	Number of successful vaccination.	Ratio of deaths from small-pox.	Number of successful vaccination.	Ratio of deaths from small-pox.	Number of successful vaccination.	Ratio of deaths from small-pox.	Number of successful vaccination.	Ratio of deaths from small-pox.	Number of successful vaccination.
1. Burdwan	..	75,772	.1	122,910	1.0	451,824	.7	320,573	.1	167,234
2. Birbhum	..	48,370	.2	36,654	0.8	111,343	.4	103,576	.05	54,661
3. Bankura	..	29,010	.1	55,435	1.6	122,804	.1	96,913	.02	65,504
4. Midnapore	..	228,768	.2	305,254	0.4	650,467	.01	561,836	.02	393,056
5. Hooghly	..	51,596	.7	61,193	1.7	139,349	.2	88,495	.05	81,456
6. Howrah	..	32,864	3.5	56,329	2.8	152,119	.2	56,280	.1	57,340
7. 24-Parganas	..	163,560	.8	622,578	1.2	541,362	.09	309,740	.02	285,886
8. Calcutta	..	82,603	3.6	179,999	2.1	104,069	.06	140,533	1.0	182,561
9. Nadia	..	45,624	.6	117,165	.3	109,147	.5	74,639	.07	62,911
10. Murshidabad	..	72,130	.1	540,698	1.3	223,886	.5	203,290	.03	166,870
11. West Dinajpore	..	6,585	.1	14,005	.1	10,576	.008	22,526	.007	39,131
12. Jalpaiguri	..	30,419	.8	35,304	.2	36,294	.6	36,296	.4	38,645
13. Darjeeling	..	19,580	.1	23,166	0.1	26,008	.02	22,526	.1	20,782
14. Malda	..	4,454	.1	1,884	0.5	2,498	.1	11,400	.03	17,006
15. Cooch Behar	..	..	..	..	..	..	..	..	..	..
Calcutta Port Commissioners and Chandernagore.	..	..	..	..	..	..	..	..	..	..
Jails, Dispensaries, Railways, Tea-gardens, Factories and Steamers.	..	45,308	..	124,742	..	108,560	..	2,158,774	..	1,705,539
Total	..	936,643	.9	2,297,316	1.14	2,790,306	.2	4,207,397	.1	3,338,582

	1948.		1949.		1950.		1951.		1952.	
	Ratio of deaths from small-pox.	Number of successful vaccination.	Ratio of deaths from small-pox.	Number of successful vaccination.	Ratio of deaths from small-pox.	Number of successful vaccination.	Ratio of deaths from small-pox.	Number of successful vaccination.	Ratio of deaths from small-pox.	Number of successful vaccination.
1. Burdwan	..	268,070	·04	193,443	·3	217,058	1·0	349,502	·2	216,637
2. Birbhum	..	38,391	·004	44,628	·1	61,558	·7	183,074	·5	151,311
3. Bankura	..	62,080	·01	65,949	·2	79,406	1·0	187,889	·2	98,347
4. Midnapore	..	483,447	·03	406,981	·2	423,094	·4	562,183	·04	471,061
5. Hooghly	..	114,052	·04	95,833	·7	136,368	·6	163,011	·1	122,641
6. Howrah	..	77,009	·1	59,275	1·2	85,493	2·0	140,602	·1	76,856
7. 24-Parganas	..	340,633	·1	284,757	·2	263,859	·6	375,532	·2	275,443
8. Calcutta	..	179,260	·3	925,081	2·9	1,572,221	2·6	825,800	·1	943,343
9. Nadia	..	97,779	·1	72,896	·6	85,571	2·0	161,446	·1	13,662
10. Murshidabad	..	157,242	·01	131,389	·2	178,704	1·3	365,834	·3	304,051
11. West Dinajpore	..	50,797	..	45,058	·2	82,450	1·4	124,596	·2	72,222
12. Jalpaiguri	..	70,766	..	33,787	·02	33,608	·05	57,766	·004	35,685
13. Darjeeling	..	23,924	·01	18,330	·2	32,128	·2	38,993	·01	31,229
14. Malda	..	11,956	·01	1,429	·2	4,184	2·0	4,241	·1	17,895
15. Cooch Behar	..	..	..	..	..	38,942	..	66,914	..	42,799
Calcutta Port Commissioners and Chandernagore.	..	19,427	..	45,987	..	26,330	..	49,454	..	33,415
Jails, Dispensaries, Railways, Tea-gardens, Factories and Steamers.	..	73,847	..	106,367	..	188,561	..	200,171	..	532,024
Total	..	2,086,680	·06	2,531,190	·6	3,509,535	1·1	3,857,008	·1	3,438,621

## STATEMENT 4.

**Showing the degree of protection afforded to infants in the state of West Bengal during the year 1952.**

No.	Rural and Urban areas.	Number of births during the year 1952.	Number of deaths among infants under one year.	Surviving population under one year available for vaccination.	Number successfully vaccinated.	Proportion of infants successfully vaccinated per mille of available infant population as shown in column No. 4.	Proportion of infants successfully vaccinated per mille of available infant population during the previous year.
	1	2	3	4		6	7
<b>A—Rural.</b>							
1	Burdwan ..	48,240	4,944	43,296	28,308	653·8	850·9
2	Birbhum ..	34,972	3,678	31,294	8,771	280·3	488·1
3	Bankura ..	38,080	3,371	34,709	4,652	134·0	329·6
4	Midnapore ..	89,014	7,006	82,008	35,918	438·0	437·9
5	Hooghly ..	26,671	1,937	24,734	12,089	488·8	713·4
6	Howrah ..	17,474	1,016	16,458	4,461	271·1	407·9
7	24-Parganas ..	56,682	3,546	53,136	12,164	228·9	341·3
8	Nadia ..	20,980	1,943	19,037	Not available		557·9
9	Murshidbad ..	45,708	3,973	41,735	35,329	846·5	769·5
10	West Dinajpur ..	18,925	1,966	16,959	3,506	206·7	483·7
11	Jalpaiguri ..	28,598	3,202	25,396	3,345	131·7	232·1
12	Darjeeling ..	10,150	962	9,188	2,404	261·6	393·5
13	Malda ..	20,734	1,670	19,064	5,168	271·1	58·6
14	Cooch Behar ..	..	..	Not available.	911	Not available.	
Total ..		4,56,228	39,214	4,17,014	1,57,026	376·5	497·2
<b>B—Towns</b>							
<b>DISTRICT BURDWAN</b>							
1	Burdwan ..	704	..	704	1,143	1,623·6	2,457·6
2	Kalna ..	445	79	366	165	450·8	432·0
3	Katwa ..	438	11	427	457	1,070·3	2,727·3
4	Dainhat ..	144	5	139	50	359·7	758·9
5	Raniganj ..	333	24	309	625	2,022·7	1,810·3
6	Asansol ..	232	30	202	936	4,633·7	3,125·8
<b>DISTRICT BIRBHUM</b>							
7	Suri ..	411	23	389	218	560·4	513·2
8	Bolepoore ..	154	15	139	230	1,654·7	4,333·3
9	Rampurhat ..	94	31	63	1,071	1,700·0	3,625·0



No.	Urban areas.		Number of births during the year 1952.	Number of deaths among infants under one year.	Surviving population under one year avail- able for vaccination.	Number successfully vaccinated.	Proportion of infants successfully vaccinated per mille of available infants population as shown in column No. 4.	Proportion of infants successfully vaccinated per mille of available infants population during the previous year.
		1	2	3	4	5	6	7
<b>B—Towns.</b>								
<b>DISTRICT BANKURA</b>								
10	Bankura	..	536	16	520	457	878·8	1,994·2
11	Bishnupur	..	198	8	190	254	1,336·8	975·5
12	Sonamukhi	..	230	11	219	13	59·4	2,923·1
<b>DISTRICT MIDNAPORE</b>								
13	Midnapore	..	1,124	48	1,076	447	415·4	648·2
14	Ghatal	..	428	20	408	100	245·1	495·0
15	Kharar	..	66	3	63	Not available.	Not available.	..
16	Chandrakona	..	148	7	141	46	326·2	..
17	Ramjibanpur	..	126	17	109	17	156·0	233·9
18	Khirpai	..	121	10	111	9	81·1	50·0
19	Tamluk	..	153	5	148	35	236·5	189·7
<b>DISTRICT HOOGHLY</b>								
20	Hooghly-Chinsurah	..	1,871	173	1,698	576	339·2	294·6
21	Bansberia	..	349	31	318	237	745·3	918·5
22	Arambagh	..	218	15	203	Not available.	Not available.	268·3
23	Serampore	..	1,721	422	1,299	1,776	1,367·2	1,121·8
24	Baidyabati	..	681	46	635	233	366·9	617·1
25	Rishra	..	172	10	172	139	808·1	570·4
26	Uttarpara	..	278	19	259	195	752·9	744·3
27	Kotrung	..	233	13	220	56	254·5	305·4
28	Bhadreswar	..	603	45	558	179	320·8	445·9
29	Champdani	..	883	12	871	442	507·5	825·8
30	Konnagar	..	256	7	249	208	835·3	488·7
<b>DISTRICT HOWRAH</b>								
31	Howrah	..	8,849	2,513	6,336	3,427	540·9	1,032·6
32	Bally	..	477	36	441	186	421·8	586·5

No.	Urban areas.	Number of births during the year 1952.	Number of deaths among infants under one year.	Surviving population under one year avail- able for vaccination.	Number successfully vaccinated.	Proportion of infants successfully vaccinated per mille of available infants population as shown in column No. 4.	Proportion of infants successfully vaccinated per mille of available infants population during the previous year.
1		2	3	4	5	6	7
<b>B—Towns.</b>							
DISTRICT 24-PARGANAS.							
33	South Suburban ..	1,513	330	1,183	647	546·9	1,014·8
34	Tollygunge ..	908	11	897	Not available. 296	..	5,343·2
35	Budge Budge ..	472	31	441		671·2	679·2
36	Rajpur ..	216	8	208	141	677·9	440·0
37	Baruipur ..	137	3	134	Not available. 27	..	846·8
38	Joynagar-Mazilpur ..	219	6	213		126·8	282·3
39	Garden Reach ..	1,231	204	1,027	1,284	1,250·2	3,269·0
40	Baranagar ..	2,248	351	1,897	2,337	1,231·9	1,189·5
41	Kamarhat ..	1,318	98	1,220	215	176·2	331·6
42	Garulia ..	370	29	341	148	434·0	295·9
43	Barrackpore ..	282	80	202	486	2,405·9	335·1
44	Khardah ..	118	7	111	Not available. 446	..	575·5
45	North Barrackpore ..	291	17	274		1,615·9	3,300·0
46	Panihati ..	258	6	252	Not available. 185	..	664·2
47	Titagarh ..	1,512	159	1,353		136·7	237·2
48	Dum Dum ..	168	11	157	210	1,337·6	1,106·7
49	North Dum Dum ..	98	1	97	Not available. 155	..	1,554·1
50	South Dum Dum ..	199	7	192		807·3	1,565·4
51	Naihati ..	406	18	388	215	554·1	632·9
52	Halisahar ..	225	10	215	Not available. 217	..	329·5
53	Kanchrapara ..	489	7	282		769·5	720·4
54	Bhatpara ..	2,514	637	1,877	552	294·1	719·6
5	Gobardanga ..	45	..	45	85	1,888·9	3,823·5
56	Barasat ..	152	10	142	162	1,140·8	1,430·1
57	Baduria ..	122	6	116	7	60·3	5,71·4
58	Basirhat ..	415	17	398	738	1,854·3	1,704·0
59	Taki ..	114	6	108	90	833·3	370·4
60	CALCUTTA ..	59,641	10,887	48,754	38,263	784·8	656·3
DISTRICT NADIA.							
61	Krishnagar ..	1,392	37	1,355	180	132·8	807·4
62	Nabadwip ..	1,649	43	1,606	526	327·5	537·7
63	Santipur ..	815	42	773	..	..	1,077·4
64	Ranaghat ..	66	7	59	309	5,237·3	7,984·1
65	Birnagar ..	11	..	11	36	3,272·7	1,090·9
66	Chakdah ..	189	4	185	43	232·4	122·8





APPENDIX V,  
STATEMENT A.

Statement showing Health Services in Rural Areas of West Bengal during the year 1952.

Name of the District Board.	Medical Officers of Health.										Epidemic staff.		Sanitary and Health Inspectors.		Vaccinators.		Vaccination Inspectors.		Other Health Staff.		
	Medical Graduates.				Medical Licentiates.				10	11	12	13	14	15	16	17	18	19	20		
	With P. H. qualification.		Without P. H. qualification.		Whole-time.	Part-time.	Whole-time.	Part-time.													
	Whole-time.	Part-time.	Whole-time.	Part-time.																Male.	Female.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
1. Burdwan	..	1	..	..	..	..	..	..	..	18	25	..	..	..	16	16	..	..	..		
2. Birbhum	..	1	..	..	1	..	..	..	..	14	14	1	..	..	14	14	18	18	18		
3. Bankura	..	1	..	..	..	..	6	..	96	19	20	..	..	..	19	19	19	19	19		
4. Midnapore	..	1	..	..	1	..	15	..	1	33	P 33 T 17	5	2	..	33	33	56	56	56		
5. Howrah	..	1	..	..	..	..	..	..	..	10	11	2	1	..	10	10	10	10	10		
6. Hooghly	..	1	..	..	..	..	3	1	1	15	18	..	..	..	15	15	15	15	15		
7. 24-Parganas	..	1	..	1	..	..	57	..	1	39	P 39 T 170	..	..	..	39	39	39	39	39		
8. Nadia	..	1	1	..	..	..	16	..	10	18	18	..	..	..	18	18	18	18	18		
9. Murshidabad	..	1	..	..	..	..	..	..	11	21	20	13	..	..	20	20	20	20	20		
10. Jalpaiguri	..	1	..	..	1	..	13	..	..	12	12	..	..	..	12	12	..	..	..		
11. Darjeeling	..	1	..	1	..	..	19	..	..	4	12	..	..	..	12	..	..	..	..		
12. Malda	..	1	..	..	..	..	..	..	..	13	10	..	..	..	10	10	1	1	1		
13. West Dinajpur	..	1	..	..	..	..	..	..	..	12	11	..	..	..	10	10	..	..	..		
14. Cooch Behar	..	1	..	..	3	..	3	..	..	12	8	..	..	..	10	10	16	16	16		
Grand Total	..	14	..	3	..	6	..	132	1	120	240	438	21	3	..	238	226	212	212		

**STATEMENT A[1].**

# STATEMENT A[1].

Statement showing Health Services in Urban Areas of West Bengal during the year 1952.

Names of the Municipalities.	Medical Officers of Health.										Vaccinators.		Vaccina- tion Inspec- tors.	Other Health Staff.			
	Medical Graduates.					Medical Licentiates.					Sanitary and Health Inspec- tors.	Male.	Female.		Health Assis- tants.	Addi- tional Health Assist- ants.	Others.
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1. Burdwan	..	..	..	..	1	..	..	..	..	3	3	2	..	..	5	5	..
2. Kalna	..	..	..	..	..	..	..	..	..	1	1	1	..	..	..	..	..
3. Katwa	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
4. Dainhat	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..
5. Raniganj	..	..	..	..	..	..	1	..	2	1	..	..	..	..	..	..	..
6. Asansol	..	1	..	..	..	..	..	..	..	3	2	..	..	..	..	..	;
7. Suri	..	..	..	..	..	..	..	..	..	1	2	..	..	..	1	..	..
8. Bolpur	..	..	..	..	..	..	..	..	..	1	2	..	..	..	..	..	..
9. Rampurhat	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..
10. Bankura	..	..	..	..	..	..	..	..	..	2	4	2	..	..	..	..	2
11. Vishnupur	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..
12. Sonamukhi	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
13. Midnapore	..	..	..	..	..	..	1	..	..	2	1	1	..	..	..	..	..
14. Ghatal	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..
15. Kharar	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..
16. Chandrakona	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17. Ramjibanpur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
18. Khirpai	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
19. Tamluk	..	..	..	..	..	..	..	..	..	1	1	..	..	..	1	..	..





Names of the Municipalities	Medical Officers of Health								Sanitary Epidemic staff Inspectors	Vaccinators		Vaccina- tion Officers	Other Health Staff				
	Medical Graduates				Medical Licentiates					Male	Female		Health Assis- tants	Addi- tional Health Assist- ants	Others		
	With P. H. qualification		Without P. H. qualification		With P. H. qualification		Without P. H. qualification										
	Whole- time.	Part- time.	Whole- time.	Part- time.	Whole- time.	Part- time.	Whole- time.	Part- time.									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
50. Hallsahar	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	3
51. Kanchrapara	..	..	..	..	..	..	..	..	..	3	1	1	..	..	..	..	..
52. Baranagar	..	1	..	..	..	..	..	..	..	3	3	..	..	..	2	..	..
53. Kamarhati	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
54. Baraset	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..
55. Gobardanga	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..
56. Basirhat	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..
57. Taki	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..
58. Baduria	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	1
59. Krishnagar	..	..	..	..	..	..	..	..	2	3	2	1	..	..	..	..	2
60. Nabadwip	..	1	..	..	..	..	..	..	..	2	1	..	..	..	2	..	..
61. Ranaghat	..	..	..	..	..	..	..	..	..	1	2	..	..	..	..	..	..
62. Birnagar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
63. Santipur	..	1	..	..	..	..	..	..	3	..	2	1	..	..	..	..	..
64. Chakdaha	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..
65. Berhampore	..	1	..	..	..	..	..	..	..	1	2	1	..	..	..	..	9
66. Murshidabad	..	..	..	..	..	..	..	..	2	1	1	..	..	..	..	..	..
67. Kandi	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..
68. Jhaganj-Azinganj	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..
69. Jangipur	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..
70. Dhulian	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..
71. Jalpaiguri	..	..	..	..	..	..	..	..	..	1	4	8	..	..	7	..	..





## STATEMENT B.

**Statement showing Maternity and Child Welfare Centres, Health Visitors and trained Midwives, etc, in Rural Areas of West Bengal during the year 1952.**

Serial No.	Districts.	Maternity and Child Welfare Centres maintained by—								Trained Mid- wives.	Trained dais.
		Govern- ment.	Local and muni- cipal bodies.		Other agencies.		Trained Health Visitors.				
			Govern- ment aided.	Not Govern- ment aided.	Govern- ment aided.	Not Govern- ment aided.	Pay contri- buted by Gov- ernment.	Pay contri- buted by local agencies.			
1	2	3	4	5	6	7	8	9	10	11	
1	Burdwan	..	..	..	..	1	..	1	..	..	..
2	Birbhum	..	..	..	..	5	..	5	..	..	1
3	Bankura	..	..	..	..	..	..	..	..	..	..
4	Midnapore	..	..	..	..	1	..	1	..	1	1
5	Howrah	..	1	..	..	..	..	1	..	2	424
6	Hooghly	..	4	..	..	2	..	6	..	5	7
7	24-Parganas	..	1	..	..	2	..	3	..	..	..
8	Nadia	..	..	..	..	1	..	1	..	..	46
9	Murshidabad	..	..	..	..	1	..	1	..	..	1
10	Jalpaiguri	..	..	..	..	1	..	..	..	61	209
11	Darjeeling	..	..	..	..	..	..	..	..	..	10
12	Malda	..	..	..	..	..	..	..	..	..	316
13	West Dinajpur	..	..	..	..	..	..	..	..	2	..
14	Cooch Behar	..	..	..	..	..	..	..	..	..	..
Grand Total		..	6	..	..	14	..	19	..	71	1,015

## STATEMENT B(1).

Statement showing Maternity and Child Welfare Centres, Health Visitors and trained Midwives etc, in Urban Areas of West Bengal during the year 1952.

Serial No.	Municipalities.	Maternity and Child Welfare Centres maintained by—								Trained Mid- wives.	Trained dais.
		Local and muni- cipal bodies .			Other agencies.		Trained Health Visitors.				
		Govern- ment.	Government aided.		Govern- ment. aided.	Not Govern- ment aided.	Pay contri- buted by Gov- ernment.	Pay contri- buted by local agencies.			
			Govern- ment aided.	Not Govern- ment aided.							
1	2	3	4	5	6	7	8	9	10	11	
1	Burdwan	..	..	..	1	..	..	..	..	1	2
2	Kalna	..	..	..	..	..	..	..	..	..	..
3	Katwa	..	..	..	..	..	..	..	..	..	..
4	Dainhat	..	..	..	..	..	..	..	..	1	1
5	Raniganj	..	..	..	..	..	..	1	1	..	22
6	Asansol	..	..	1	..	..	..	1	..	..	1
7	Suri	..	..	..	..	1	..	1	..	2	2
8	Bolpur	..	..	..	..	..	..	..	..	..	..
9	Rampurhat	..	..	..	..	..	..	..	..	..	..
10	Bankura	..	..	..	..	1	..	1	..	1	2
11	Vishnupur	..	..	..	..	..	1	..	..	..	10
12	Sonamukhi	..	..	..	..	..	..	..	..	..	..
13	Midnapore	..	..	..	..	1	..	1	..	1	2
14	Ghatal	..	..	..	..	..	..	..	..	..	..
15	Kharar	..	..	..	..	..	..	..	..	..	..
16	Chandrakona	..	..	..	..	..	..	..	..	..	..
17	Ramjibanpur	..	..	..	..	..	..	..	..	..	8
18	Khirpai	..	..	..	..	..	..	..	..	2	1
19	Tamluk	..	..	..	..	..	..	..	..	..	..
20	Hooghly-Chinsurah	..	..	1	..	..	..	1	..	..	4
21	Bansberia	..	..	..	..	..	..	..	..	1	..
22	Arambag	..	..	..	..	..	..	..	..	..	..
23	Serampore	..	..	..	..	1	..	1	..	2	..
24	Baidyabati	..	..	..	..	1	..	1	..	1	2
25	Rishra	..	..	..	..	..	..	..	..	1	9
26	Uttarpara	..	..	..	..	..	..	..	..	1	1
27	Kotrung	..	..	..	..	..	..	..	..	..	..
28	Bhadreswar	..	..	..	..	..	..	..	..	1	..
29	Champdani	..	..	..	..	..	1	..	..	3	6
30	Konnagar	..	..	..	..	..	..	..	..	1	..
31	Howrah	..	1	..	..	..	..	..	..	10	..
32	Bally	..	..	..	..	..	..	..	..	2	..
33	South Suburban	..	..	..	..	1	..	1	..	2	..
34	Garden Reach	..	..	..	1	..	2	..	..	5	80

Serial No.	Municipalities.	Maternity and Child Welfare Centres maintained by—								Trained Mid-wives.	Trained dais.
		Government.	Local and municipal bodies.		Other agencies.		Trained Health Visitors.				
			Government aided.	Not Government aided	Government aided.	Not Government aided.	Pay contributed by Government.	Pay contributed by local agencies.			
1	2	3	4	5	6	7	8	9	10	11	
35	Budge Budge	..	..	..	..	1	..	1	..	1	..
36	Baruipore	..	..	..	..	..	..	..	..	..	1
37	Rajpur	..	..	..	..	..	..	..	..	..	1
38	Jaynagar Majilpur	..	..	1	..	..	..	1	..	1	4
39	Dum Dum	..	..	1	..	..	..	1	..	1	2
40	North Dum Dum	..	..	..	..	..	..	..	..	..	..
41	South Dum Dum	..	..	..	..	..	..	..	..	1	..
42	Kharda	..	..	..	..	..	..	..	..	..	..
43	Panihati	..	..	..	..	..	..	..	..	3	..
44	Garulia	..	..	..	..	..	..	..	..	..	9
45	Barrackpur	..	..	..	..	..	..	..	..	..	..
46	North Barrackpore	..	..	..	..	..	..	..	..	1	..
47	Titagarh	..	..	..	1	..	..	..	..	5	10
48	Naihati	..	..	..	..	..	..	..	..	2	..
49	Bhatpara	..	..	1	..	..	..	1	..	..	..
50	Halisahar	..	..	..	..	..	..	..	..	..	..
51	Kanchrapara	..	1	..	..	..	..	..	..	..	..
52	Baranagar	..	..	..	..	1	1	1	..	8 (untrained)	3
53	Kamarhati	..	..	..	..	1	..	1	..	5	3
54	Baraset	..	..	..	..	..	..	..	..	1	..
55	Gobardanga	..	..	..	..	..	..	..	..	..	..
56	Basirhat	..	..	..	..	..	..	..	..	2	2
57	Taki	..	..	..	..	..	..	..	..	..	..
58	Baduria	..	..	..	..	..	..	..	..	..	..
59	Krishnagar	..	1	..	..	..	..	1	..	8	7
60	Nabadwip	..	..	..	..	..	..	..	..	..	4
61	Ranaghat	..	..	..	..	..	..	..	..	..	25
62	Birnagar	..	..	..	..	..	..	..	..	..	..
63	Santipore	..	..	..	..	1	..	1	..	2	1
64	Chakdah	..	..	..	..	..	..	..	..	..	1
65	Berhampore	..	1	..	..	..	..	..	..	..	..
66	Murshidabad	..	..	..	..	..	..	..	..	..	..
67	Kandi	..	..	..	..	..	..	..	..	1	..
68	Jiaganj-Azimganj	..	..	..	..	..	1	..	..	..	..
69	Jangipur	..	..	..	..	..	..	..	..	..	..
70	Dhulian	..	..	..	..	..	..	..	..	..	..
71	Jalpaiguri	..	..	..	..	1	..	1	..	2	9
72	Darjeeling	..	..	2	..	..	..	2	..	1	3



Maternity and Child Welfare Centres maintained by—											
Serial No.	Municipalities.	Govern- ment.	Local and muni- cipal bodies.		Other agencies.		Trained Health Visitors.		Trained Mid- wives.	Trained dais.	
			Govern- ment aided.	Not Govern- ment aided.	Govern- ment aided.	Not Govern- ment aided.	Pay contri- buted by Gov- ernment.	Pay contri- buted by local agencies.			
1	2	3	4	5	6	7	8	9	10	11	
73	Kurseong	..	..	..	..	..	..	..	..	1	2
74	Kalimpong	..	..	..	..	1	..	1	..	..	..
75	Siliguri	..	..	..	..	..	..	..	..	..	..
76	English Bazar	..	..	..	..	..	..	..	..	1	4
77	Old Malda	..	..	..	..	..	..	..	..	..	..
78	Balurghat	..	..	..	..	..	..	..	..	1	..
79	Raiganj	..	..	..	..	..	..	..	..	..	..
80	Cooch Behar	..	1	..	..	..	..	1	..	1	1
Grand Total			5	7	3	12	6	22	1	87	197

# APPENDIX

## STATEMENT

### Statistics with regard to Municipal

Serial No.	Name of municipality.	Year of completion.	Area served.	Designed capacity of works.	Approximate population served.	Average daily supply in gallons.	Average daily supply per head of population in gallons.	Total capital expenditure during 1952.
1	2	3	4	5	6	7	8	9
								Rs. a. p.
1	Burdwan	.. 1884 ..	3.55	703,080	72,000	446,498	6.20	....
2	Howrah	.. 1896 ..	10.10	..	379,292	4,137,095	7.00	66,330 8 0
3	Berhampore	.. 1899 ..	6 00	612,000	70,000	376,370	5.37	....
4	South Subarban	1904 ..	3.70	..	60,000	546,513	.91	....

VI.  
1.

Water Works in West Bengal, 1952.

Total capital expenditure up to 1952.	Annual cost of maintenance (exclusive of loan charges).	Cost of delivery of 1,000 galls. (exclusive of loan charges).	Source of supply.	Type of filter employed.	Type of engine and pump.
10	11	12	13	14	15
Rs. a. p.	Rs. a. p.				
6,32,657 0 0	12,721 0 0	1.22	River Banka fed by Damodar and 1 tube-well at G.T. Road.	Five slow sand filter beds.	One 23 H. P. motor-pump set capacity 50,000 G.P.H., at 104 feet, for H. L. One 20 B. H. P. motor-pump set, capacity—52, 500 G. P. H., at 39ft. for L. L. One 80 B. H. P. Petter Fielding engine for L. L. Centrifugal pump through belting capacity 75,000 G. P. H., lift 40 ft. One 10.5 B. H. P. Petter Fielding engine for L. L. Centrifugal pump through belting capacity 75,000 G.P.H. Lift 40 ft.
5,45,150 8 0	5,54,107 0 0	0 4 3	Hooghly river pies.	Ten slow sand filter beds.	For unfiltered water—Two vertical high speed uniflow engines direct coupled with two 20" Worthington low lift centrifugal pumps. Average total head 3 feet.  For filtered water—One Worthington vertical triple expansion flywheel triplex pumping engine. One Worthington horizontal triple expansion Duplex pumping engine. Two horizontal compound condensing Duplex pumping engines by Evans and Deans. Average total head 92. Five Lancashire boilers.
4,47,181 0 0	76,855 0 0	8 9 88	River Bhagirathi	Two slow sand filter beds.	Filtered water pumping station—Two horizontal single cylinder Blackstone spring injection crude oil engines each of 34 B. H. P. at 375 R. P. M. Two Gywnnes invincible single stage centrifugal pumps, size 5 inches. Capacity each—30,000 against total head 120 feet.  Unfiltered water pumping station— In a barge. One Crossley cold starting crude oil engine, 24 B. H. P. One Tangye's centrifugal pump 30,000 against 90 feet and one Crossley 24 B. H. P. horizontal semi-diesel crude oil engine. One Mather and Platt's centrifugal pump 30,000 gallons against 100 feet and one 26 B. H. P. Crosley crude oil engine and one Gwynne invincible pump (1940 at Rs. 4,700).  All the pumps are direct belt driven from the engines. Average total lift 55 feet.
71,950 0 0	16,890 0 0	13.6	Partly from W. S. Calcutta Corporation and partly from municipal deep tube-well connected with a reservoir.	....	....



Serial No.	Name of municipality.	Year of completion.	Area served.	Designed capacity of works.	Approximate population served.	Average daily supply in gallons.	Average daily supply per head of population in gallons.	Total capital expenditure during 1952.
1	2	3	4	5	6	7	8	9
								Rs. a. p.
5	Garulia ..	1904 ..	1.50	..	30,000	175,090	5.82	....
6	Titagarh ..	1905 ..	1.50	..	57,416	1,907,320	33.1	....
7	Tollygunge ..	1909 ..	5.15	..	32,000	235,652	72.5	....
8	Champdany ..	1909 ..	1.66	..	31,833	436,366	11.6	....
9	Darjeeling ..	1912 ..	4.85	Depend on rain fall.	25,873	562,137	21.72	213 4 0
							i	
							i	
							i	
							i	
10	Kurseong ..	1913 ..	2.00	Do. ..	14,000	150,000	10.71	....
11	Hooghly-Chin-surah	1914 1st. Extn. in 1933.	5.00	775,800	49,081	660,813 i	13.46	....
							i	
							i	
							i	
							i	
12	Bankura ..	1916 1st. and 2nd Entn. in 1926.	3.5	192,000	46,617	1,818,588 i	3.9	1,96,959 2 0
13	Uttarpara	1918 ..	0.8	..	20,000	132,547	9.74	....
14	Kalimpong ..	1922 ..	10.00	..	18,000	272,600	15.14	....

Total capital expenditure up to 1952.	Annual cost of maintenance (exclusive of loan charges).		Cost of delivery of 1,000 galls. (exclusive of loan charges)	Source of supply.	Type of filter employed.	Type of engine and pump.
10	11		12	13	14	15
Rs. a. p.	Rs.	a. p.				
17,452 0 0	..		..	Supplied from Shyamnagar Jute Mill, Dunbar Cotton Mill and 18 tube wells.	....	....
19,395 0 0	..		..	Local mills.	....	....
1,23,525 0 0	36,585 0 0		6.9	Corporation W.S. and Municipal tube-wells.	....	....
53,202 0 0	5,268 14 9		5.50	From local jute mills and 5 <sup>1</sup> / <sub>2</sub> dia. tube-well.	....	....
11,10,367 3 0	70,075 0 0		..	30 springs on the Sanchel spring.	....	For subsidiary service to St. Pauls' School and three adjacent properties two 10 H. P. motors, one Rees Routurbo pump and one Haward Taylor duplicate plunger pump. Pumping plant at "Konkola"—One Ruston Horrsby horizontal 4 cycle semi-diesel crude oil. Engine B. H. P., 66. One, Worthington vertical single acting triplex ram pump. Direct, belt driven.
1,50,507 4 0	17,467 4 0		5.1 annas.	Sepoydhara springs.	Three Jewell pressure filters.	Gravity supply.
8,24,248 0 0	36,542 0 0		2.42	River Hooghly	Four slow sand filter beds.	One 100 H. P. motor for H. L. Capacity 74,000 G. P. H. Lift 167ft. One 50 H. P. motor for L. L. capacity 77,800 G.P.H. Lift 60 ft. Two deep well, Turbine pump, tube-well one at Kamarpara, capacity—18,000 G. P. H. . Lift 103ft. and the other at Municipal compound, capacity—22,000 G. 6 H. P. Lift—110ft.
3,61,768 2 0	26,585 0 0		6.4 annas.	Darakeswar and Ganhdeswari river.	Two infiltration galleries in the bed of river Gandheswari and 2 tube-wells in the river Darakeswar.	Gandheswari Station— One Crompton-Parkinson drip proof squirrel cage rotor motor, 313 B. H. P. 440 volt 3 phase, 50 cycles A. C., R.P.M.1, 430 directly coupled to a Mather and Plant Medivane split casing type medium lift centrifugal pump capacity 200 gallons per minute at a total head of 115 feet. Erected in July 1941.
						Darakeswar Station— 25 B. H. P. slip ring induction motor with Mather Plant Medivane 250 gallons per 200 ft.
1,95,872 0 0	20,397 0 0		6.74	River Hooghly	One Paterson's gravity filter.	One Crompton-Parkinson, squirrel cage induction motor and two high lieft Tangye's centrifugal pumps, capacity 10,000 gallons against 52 feet total head.  Two Tangye's semi-diesel crude oil engines. Countershaft belt driven average total lieft 63" 7".
19,56,105 11 6	..		..	Springs of river Rilli & Homes spring. Thokcha	..	Gravity supply.

Serial No.	Name of municipality.	Year of completion.	Area served.	Designed capacity of works.	Approximate population served.	Average daily supply in gallons.	Average daily supply per head of population in gallons.	Total capital expenditure during 1952.
1	2	3	4	5	6	7	8	9
								Rs. a. p.
15	Krishnagar ..	1922 ..	6.45	..	80,000	500,000	7.14	....
16	Bhadreswar	1926 ..	1.90	..	27,673	471,863	17.00	....
17	Midnapore ..	1926 (1st Extn. in 1928)	4.00	350,000 Galls. in 10 hrs.	60,000	455,582.2	7.5	....
18	Raniganj	1937 ..	1.85	15,000 galls. in 12 hrs.	25,352	211,082	8.3	....
19	Suri ..	1927 ..	3.15	..	20,000	99,958	4.99	10,176 12 0
20	Naihati ..	1928 ..	1.68	..	42,163	248,767	5.9	....



Total capital expenditure up to 1952.	Annual cost of (maintenance exclusive of loan charges).	Cost of delivery of 1,000 galls. (exclusive of loan charges)	Source of supply.	Type of filter employed.	Type of engine and pump.
10	11	12	13	14	15
Rs. a. p.	Rs. a. p.				
4,61,084 0 0	21,741 0 0	2.2	River Jalangi..	Two Jewell mechanical gravity filters, Filtering capacity 12,000 gallons per hour each.	Three 10 B. H. P. centrifugal pump motor, for 3rd H. L., 3rd M. L. and 2nd L. L. respectively. Capacity—24,000 G. H. P. Lift 50ft.  These are kept as standby, one Blackstone crude oil-engine of 15 B. H. P.. One Ramsomes, Sims and Jefferies semi-diesel engines, 15 B. H. P. Two Ramsomes, Sims and Jefferies semi-diesel engines, 10 B.H.P. each. Two Worthington 2½" high lift centrifugal pumps. Two Worthington 3" medium lift pumps and one 6" Worthington low lift centrifugal pump. All direct belt driven. Total average lift 43' 9".
					High lift— Two sets of Worthington split casing type centrifugal pump. Capacity 24,000 gallons against 45 feet head per hour. Direct coupled to Crompton Parkinson's 440 volts, 3 phase., 50 cycles. R. P. M. 1,440 induction motors of 10 B. H. P. each.
					Medium lift— Two sets of centrifugal pumps of 24,000 gallons against 26 feet head per hour. Direct coupled to induction motors of 7.5 B. H. P. and 1,430 R. P. M.
					River side L. L.— One centrifugal pump of 33,000 G. P. H. against 30 feet head. Capacity direct couple to Induction motor of 1,450 R. T. M. and 10 B. H. P. motors and, centrifugal pumps of both M. L. and L. L. are exactly like those of H.L. sets.
..	..	..	From local mills and tube-wells.	....	....
6,08,883 10 0	21,742 0 0	2.4	Two infiltration wells in the bed of Cossy river.	....	One 46 B. H. P. Corssely engine with treble R. A. M. pump through belt. Capacity 25,000 G. P. M. Lift 135ft.
3,42,041 0 0	18,948 0 0	3.9	Damodar river.	....	Two Campbell high compression crude-oil engines of the horizontal single cylinder ordinary cold starting type 26 B. H. P. Two Campbell vertical treble ram water pumps capacity 12,500 gallons per hour each. Direct belt driven. Average total lift 174.5'.
2,57,501 11 0	16,564 0 0	7.26 annas.	Infiltrations gallery in the bed of river Mayurakhi.	....	Two three-throw ram pumps of 7,500 gallons capacity each direct belt driven by two 15 B. H. P. Campbell high compression horizontal heavy oil engines. Average total lift 135.7'.
2,57,897 7 0	14,126 8 0	2.42	Supplied from local mills and 5 tube-well-at Garifa.	....	One 7½ B. H. P. motor pump set 8,000 G. P. H. Lift 40ft.

Serial No.	Name of municipality.	Year of completion.	Area served.	Designed capacity of works.	Approximate population served.	Average daily supply in gallons.	Average daily supply per head of population in gallons.	Total capital expenditure during 1952.
1	2	3	4	5	6	7	8	9
								Rs. a. p.
21	Asansol ..	1930	4.04	264,000	48,006	408,000	8.49	....
22	Nabadwip ...	1931 ...	2.00	..	80,000	56,000	0.09	....
23	Bansberia ...	1931 ...	3.10	..	26,000	230,000	8.8	....
24	English Bazar	1932 ..	1.50	112,000 galls. per day in 8 hrs. can run 16 hours.	20,000	831,96.98	3.78	10,263 5 0
25	Bhatpara ..	1932 ..	5.00	..	134,000	1,094,737	8.17	....
26	Jlapaiguri ..	No. V, 1934.	3.06	12,000 gallons per day in 8 hrs.	28,000	156,627	5.59	....
27	Kalna ..	Not completed.	0.85	..	15,000	60,000	4.00	....

Total capital expenditure up to 1952.	Annual cost of maintenance (exclusive of loan charges).	Cost of delivery of 1,000 galls. (exclusive of loan charges).	Source of supply.	Type of filter employed.	Type of engine and pump.
10	11	12	13	14	15
Rs. a. p.	Rs. a. p.				
7,58,376 15 0	21,748 0 0	2.30	Surface water from Damoder.	....	Two General Electric "Witton frame" enclosed ventilated type slip ring induction electric motors of 49 B. H. P. each, 400 volts A. C. direct coupled with two Sulzer high lift centrifugal pumps. Capacity 22,000 gallons per hour each. Average total lift 270 ft.
52,965 0 0	9,415 0 0	10.7	Two tube-wells 6" dia. and 5" dia.	....	Municipal Office pumping station— One 10 B. H. P. Crossley horizontal engine, one Mather and Platt 3" suction and 3" delivery centrifugal pump.  Radhabazar Station— One 3" suction and 3" delivery Myers self oiling Bulldozer plunger pump driven by one English electric 5 H. P. 400 volts, 3 phase, 50 cycle squirrel cage induction motor.
103,809 0 0	45,742 0 0	8.8 annas.	Supply of T. W. water from Bansberia Jute Mill.	....	....
2,68,991 9 0	14,953 0 0	7.87	Two tube-wells.	One softening plant of messrs. Patersons, Ltd.	Two 24 B. H. P. Crossley four cycle horizontal cold starting crude oil engines.  Two high lift Worthington centrifugal split casing pumps, capacity 14,000 gallons per hour against a total head of 110 ft.  Two Worthington horizontal double acting air compressors, size 7½" × 6" stroke, for air lift from the tube-wells. All direct belt driven.
2,94,527 0 0	1,368 0 0	.07	Local mills T.W.	....	....
1,12,774 0 0	15,717 0 0	4.39	Two 5" dia. each.	Two upward flow gravel filters.	Two sets of centrifugal pumps direct coupled to 440 volts A. C. induction motors. Capacity of each pump 7,500 gallons per hour against 104 feet head. These sets pump water from tube-wells to iron eliminating plant.  One set centrifugal pump same as above used as high lift and also two sets of centrifugal pumps direct coupled to 440 volts A.C. 14½ B. H. P. induction motor capacity of each pump 14,000 gallons per hour, head 90 feet.
1,44,430 0 0	12,109 0 0	8.8	One 5" and one 4" dia. tube-well sunk above 300ft. in depth.	....	....



Serial No.	Name of municipality.	Year of completion.	Area served.	Designed capacity of works.	Approximate population served.	Average daily supply in gallons.	Average daily supply per head of population in gallons.	Total capital expenditure during 1952.		
1	2	3	4	5	6	7	8	9		
								Rs. a. p.		
28	Serampore	1936 ..	2.27	512,000	80,000	802,500	10.00	....		7
29	Baranagar-Kamarhati.	1939 ..	8.5	..	200,000	1,197,921	5.93	....		
30	Garden Reach	In progress.	About 5 sq. miles.	..	125,000	510,000	4.08	56	13	0
31	Kanchrapara ..	In progress.	..	..	..	..	..	1,44,986	15	6
Total		..	..	..	19,17,304	18,515,232,28	..	4,28,941	11	6

Total capital expenditure up to 1952.	Annual cost of maintenance (exclusive of loan charges).	Cost of delivery of 1,000 galls. (exclusive of loan charges).	Source of supply.	Type of filter employed.	Type of engine and pump.
10	11	12	13	14	15
Rs. a. p.	Rs. a. p.				
7,52,958 13 0	45,775 9 0	2.2	River Hooghly	Three Patersons' rapid gravity type filters capacity 34,000 gallons each complete with air wash plant and chloro- nome.	Unfiltered station— (i) Threc 5" Gwynne's centrifugal "KL" pumps for low lift direct coupled to "Asea" 12 H. P., 400 volts 3 phase 50" cycle induction motors running at 1,440 R. P. M. Each set capable of delivering 33,500 gallons of water pc hour against a total head of 47 feet.  Filtered station— (ii) Three 5" Gwynne's centrifugal "K" pumps for high lift, direct coupled to three "Asea", 30 H. P., 400 volts, 3 phase, 50 cycle induction motors, running at 1,440 R. P. M. Each set capable of delivering 34,000 gallons of water per hour against a total gauge head of 124 feet.  Transformer— (iii) One "Asea" 3 phase, oil immersed self-cooled core type transformer, rated 100 K. V. A. at 50 cycles and designed for a voltage ratio of 6,000/400 volts at full load.
7,48,574 0 0	67,942 0 0	2.5	River Hooghly	3 Nos. Paterson gravity filters size—13' x 25' capacity 22,250 gallons per hour each.	Riverside station— One Pulsometer vertical spindle Axial flow propeller pump output 120,000 G. P. H. against a total head of 12 feet direct coupled to vertical spindle squirrel, cage 3-phase, 50 cycle, 400 volts, 13 H. P., A. C. motor.  Low Lift pumping sets—  3 Nos. Pulsometer type horizontal single stage 6" centrifugal pump. Each capable of pumping 3,500 G. P. M. against a total head of 41 feet direct coupled to squirrel cage, 3 phase, 50 cycles, 400 volts, 11 H. P. A. C. motors.  High Lift station— 3 Nos. Pulsometer type horizontal single stage 5" centrifugal pumps capacity 33,500 G. P. H. each against total head of 90 feet direct coupled to squirrel cage, 3-phase, 50 cycles, 400 volts, 25 H. P. A. C. motors.  Transformer— One double wound core, oil immersed self-cooled transformer, capacity 100 K. V. A. when operating on 3-phase, 50 cycle supply and having a voltage ratio of 6,000/400 volts.
3,81,504 1 0	31,031 0 0	0 2 8	From Calcutta Corporation and 2 Nos. of tube-wells of Garden Reach Municipality.	....	....
2,70,295 13 0	..	..	....	....	....
1,62,25,994 3 6	..	..			

## APPENDIX VI.

## STATEMENT 2.

**Total expenditure on Drainage and Sewerage Works in the Municipalities in West Bengal during 1952.**

No.	Name of municipalities.	Area served.	Approximate population served.	Total capital expenditure during the year 1952.	Total capital cost up to 31st December 1952.	Annual cost of maintenance.
1	2	3	4	5	6	7
				Rs. a. p.	Rs. a. p.	Rs. a. p.
1	Asansol	..	..	....	1,34,325 0 0	1,768 0 0
2	Bankura	..	0.08	....	20,262 0 0	12,045 0 0
3	Baranagar	..	2.12	....	1,03,341 0 0	14,935 0 0
4	Barasat	..	3.5	....	24,809 0 0	748 0 0
5	Baruipur	..	3.5	....	17,368 0 0	467 0 0
6	Basirhat	..	3.5	....	29,728 0 0	654 0 0
7	Berhampore	..	6.5	....	73,140 0 0	20,648 0 0
8	Bhadreswar	..	0.66	....	50,092 0 0	6,485 0 0
9	Bhatpara	..	5.00	....	17,51,825 0 0	51,694 0 0
10	Budge Budge	..	2.00	....	1,02,956 0 0	3,251 0 0
11	Burdwan	..	4.00	....	2,02,946 0 0	841 0 0
12	Champdany	..	1.60	....	2,66,433 0 0	7,378 5 9
13	Darjeeling	..	4.85	....	2,16,498 0 0	6,845 0 0
14	English Bazar	..	1.79	....	37,423 0 0	6,378 0 0
15	Garulia	..	1.50	190 11 0	1,37,081 5 0	3,987 0 0
16	Howrah	..	4.59380	25,192 7 0	17,18,125 13 0	2,45,867 0 0
17	Jangipur	..	3.00	....	47,332 0 0	1,046 7 0
18	Kalimpong and Bazar	..	..	....	66,281 0 0	1,000 0 0
19	Katwa	..	2.00	....	58,093 0 0	5,288 0 0
20	Krishnagar	..	1.52	....	45,658 0 0	4,280 0 0
21	Kurseong	..	1.95	....	2,56,482 8 10	8,173 0 0
22	Ranaghat	..	2.00	....	57,728 0	3,100 0 0
23	Serampore	..	6.05	2,06,263 12 0	3,90,611 2 10	7,306 7 10
24	Suri	..	2.1	....	54,292 0 0	1,822 0 0
25	Titagarh	..	1.50	49,026 11 0	15,13,927 13 0	72,128 0 0
26	Uttarpara	..	0.8	....	51,406 0 0	4,604 0 0
Total		..	..	867,589 2,80,673 9 0	72,68,244 1 10	....





